Volume 159 No. 23

Oil, Paint and Drug Reporter

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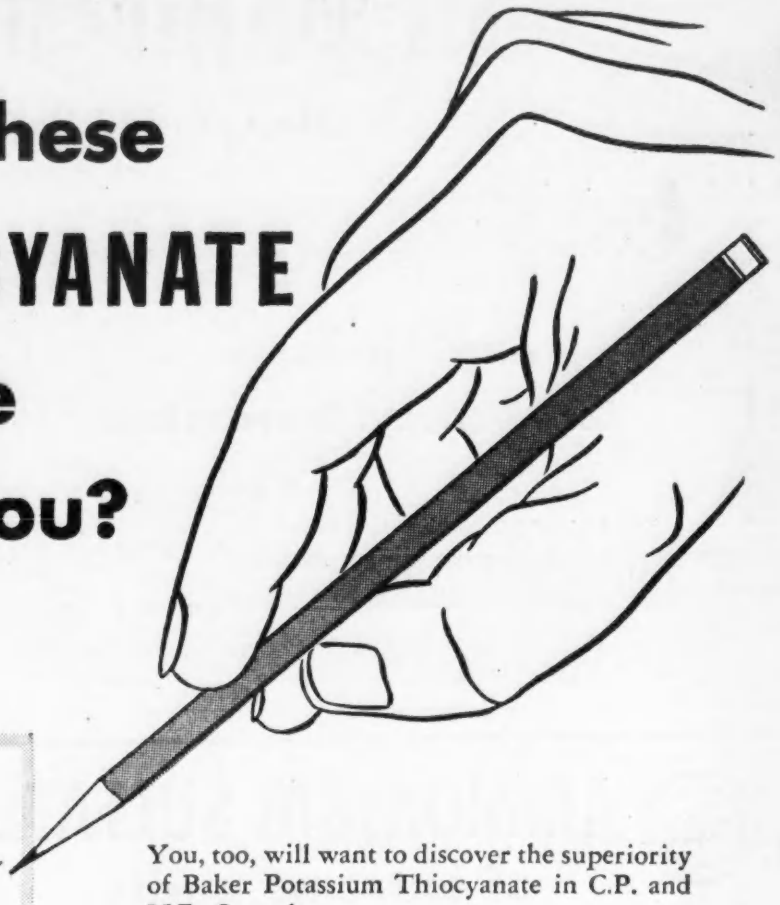

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Oil, Paint and Drug Reporter

JUN 4 '51

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NPA Channels More Lead, Zinc to Military

The National Production Authority last week acted to increase the availability of lead and zinc to the defense program.

It amended lead order M-38 to increase the required acceptance of defense rated orders from 20 to 25 percent of a dealer's anticipated monthly production of lead products.

Regarding zinc, NPA revised order M-9 to require acceptance of DO's from 10 to 20 percent of manufacturers' anticipated monthly production of special high grade slab zinc, described as slab zinc that is 99.99 percent pure or better. It also revised M-15 restricting civilian consumption of high grade slab zinc, beginning July 1, to 70 percent of the average quarterly use during the first six months of 1950. Under M-15, permitted inventories have been reduced from a forty-five-day to a thirty-day supply of slab zinc.

'Hardship' Cases Requirement

Amended M-38 and M-9 also provide that, beginning June 1 for July shipment, primary refiners of lead and producers and importers of zinc will be required to set aside 5 percent of their anticipated monthly production to meet the requirements of "hardship" cases where consumers are unable to secure their full needs for rated orders. Surplus metal remaining in the fund at the end of the month may be distributed without further NPA authorization.

Lead Materials Covered

Materials covered by the revised M-38 include pig lead, lead-base alloy, lead scrap and lead products. Lead scrap is now defined as all industrial wastes or byproducts containing lead commercially recoverable as pig lead or lead-base alloy. Lead products include lead chemicals containing 50 percent or more lead by weight, and semi-processed materials, parts or sub-assemblies which have been produced from pig lead of lead-base alloy.

Chemicals Use in Foods Hearing Resumes June 6

The Delaney committee of the house investigating the use of chemicals in foods hopes to complete the present phase of its investigations late this month and adjourn further hearings until after Labor Day. The committee has been meeting two days weekly since early in April and has accumulated a vast amount of technical information on the subject matter.

It did not meet during the past week because of the intervening Memorial Day holiday, but plans to resume this week, with additional testimony on the effects of stilbestrol and antibiotics on animal feeds. The hearings are scheduled for June 6 and 7. The following week, hearings will be held on June 12 and 14 and the final hearings are tentatively set for June 19 and 21.

Molybdenum Export Quota Established for April-June

An export licensing quota for molybdenum ores and concentrates in the amount of 1,250,000 pounds of contained molybdenum has been established for the second quarter of 1951, the Office of International Trade announced May 28. A quota of 195,000 pounds of ferromolybdenum and molybdenum metal, alloys, scrap, and wire also has been established for the second quarter.

The quota for ores and concentrates includes the following chemical items:—Molybdenum oxide briquettes, trioxide, trioxide briquettes, and molybdic acid. The molybdenum ores and concentrates will be distributed among the major steel producing countries of Western Europe.

Price Trend Decline Continues

Price conditions in the markets for chemicals, oils, and drugs last week were still weaker than in the preceding week. Eighty changes were made, 95 percent of them being reductions. The count for the preceding week was seventy-seven and 93.5 percent. Last week's changes took another 0.7 point off the overall price index number.

Most of the price changes were in botanical drugs and spices, with fats and oils in second place in number. RFC cut tin Friday, the first change in three weeks. Quicksilver and egg products were again reduced. Menthol got another boost. Reductions in fats and oils comprised six edible and two drying oils and two base materials—copra and flaxseed. There were no advances in that division. Two botanical drugs and one essential oil were on the upside. Cuts in packing-house and fishery by-products, skim-milk powder and imported casein put all the changes in animal products on the downside.

The movement of goods slackened a bit more during the week. Buying interest, at least, got no better. The supply situation had little change in either direction; although nitrites were tighter despite the plenitude of nitric acid. There was no relief in the sulphur areas. Summer demands were beginning to add to the pinch on chlorine. Its derivatives were all scarcer, especially the chlorobenzenes, which are pinched also by the shortage of benzol.

Almost every producer of anything said that his biggest business now is the figuring out of what his prices are going to be under government regulations. Accountant staffs have been doubled, even trebled in many offices.

OPD Price Index

The Oil, Paint and Drug Reporter's relative record of prices of chemicals and related materials is currently as follows:—

June 1, 1951	May 25, 1951	July 1, 1950	June 2, 1950
152.5	153.2	121.1	120.6

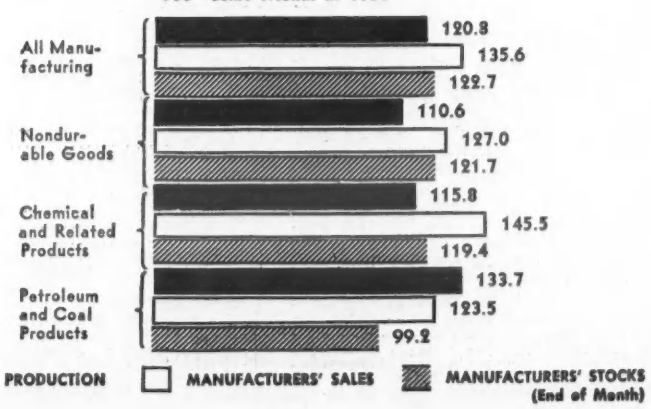
The base of the OPD Price Index is the average of prices in 1926 and 1936, those years representing extremes of price undulations in the interwar period.

OPD Index Monthly Averages

	1951	1950	1947	1946	1941
January	150.8	123.2	150.9	135.3	107.3
February	152.7	121.3	151.9	135.4	110.3
March	154.3	121.8	154.9	135.2	111.9
April	154.5	121.0	152.3	134.9	115.5
May	153.7	120.6	146.1	135.1	118.2

Business in February, 1951

100=Same Month in 1950



Congress Acts to Halt 'Dumping' Of Inferior US Drugs Abroad

Legislation imposing curbs on the export movement of drugs from the United States to prevent the dumping of substandard or inferior products on foreign markets has been introduced in the house, with the probabilities that it will receive the attention of the interstate and foreign commerce committee at an early date.

The Food and Drug Administration also announced last week that a revised set of rules have been prepared and put into effect, governing both the import and export of drugs, to take the place of those regulations that have been in operation in the past. The new regulations do not differ in substance from the old, but they do drop a lot of procedural details which the Bureau of Customs had insisted upon in the past.

The legislation curbing exports of drugs took the form of two bills introduced May 23 and 24 by Representative J. Percy Priest of Tennessee (H. R. 4242) and by Representative J. M. Combs of Texas (H. R. 4267). The bill of Representative Priest is the same as the Van Zandt bill (H. R. 562) of 1949 and is understood to have the support of the Administration.

Introduction of the legislation at this time was instigated by the address of Dr. Delmas K. Kitchen, chief medical counsel of Bristol-Myers Company, at the recent annual convention of the Proprietary Association, in which he sharply criticized the practice of a few members of the drug industry of dumping inferior and substandard drug products abroad.

Difference in the Bills

Both measures are founded on the theme that if a drug cannot meet the standards of the federal food, drug and cosmetic act, or the requirements of law of the country to which it is being exported, it then should not be exported. The Priest bill relies upon the present enforcement machinery of the act to see that this policy is carried out, but the bill of Mr. Combs goes further by setting up a licensing system.

He proposes that before any person may engage in the business of exporting, or delivering for export, foods, drugs, cosmetics or devices, he must first be licensed by the administrator of the Federal Security Agency. The Administrator would have authority to suspend or revoke the license for any infractions of the act or his regulations.

Notably absent from both bills is any provision exempting bulk quantities of drugs from the requirements that they meet the labeling provisions of law. Unless such an exemption is included, exporters would be required to label their products with directions for use, even though shipped in bulk and without knowledge of the intended ultimate use by the consignee.

Van Zandt Bill Dropped

When this question came up during consideration of the Van Zandt bill by the senate interstate commerce committee, it is recalled, Charles W. Crawford, Associate Commissioner of Food and Drugs proposed in a letter to Chairman Edwin C. Johnson of Colorado that a provision be written into the bill directing FSA to issue regulations providing for exemption of bulk shipments from certain labeling requirements.

Nothing further ever came of the proposal, however, and the whole matter was dropped when certain food interests got behind a substitute bill in the senate that would liberalize the law much further than the Administration thought necessary.

Fats and Oils Foreign Trade Data Reported for Jan.-March

United States exports of fats and oils on an oil equivalent basis totaled 477,000,000 pounds during the first quarter of 1951, compared with 572,000,000 pounds during the corresponding period last year—a decrease of 16 percent, according to the Office of Foreign Agricultural Relations.

Shipments held up fairly well in January but February and March were about one-fifth lower than 1950. Important decreases occurred in crude soybean oil, cottonseed and oil, crude peanut oil and lard. These decreases were offset in part by increased exports of soybeans and refined soybean oil, inedible tallow, and other increases of lesser importance.

During the same period, imports rose sharply from 1950. On an oil equivalent basis, January-March imports for 1951 were 391,000,000 pounds, compared with 273,000,000 pounds during January-March 1950. Imports thus increased 43 percent, while exports were decreasing 16 percent. Import increases occurred for copra and for most oils, including babassu, castor, coconut, oiticica, olive, palm, rapeseed, tung and herring oil. Babassu kernels and castor beans were down and there was a sharp (50 percent) decrease in the general category of "all others."

The United States still maintained its recently (1949) acquired position as a net exporter of fats and oils but the excess of exports over imports dropped from 299,000,000 pounds in the first three months of 1950 to 86,000,000 pounds this year. By buying more and selling less, the United States is generally considered to have contributed significantly to sharply rising prices for fats and oils on the world market between early 1950 and early 1951. For this reason, importing countries are particularly concerned about the balance of net exports from this country.

Trade Agreement Bill Accord Reached by Senate and House

The conference committee of the senate and house reached complete agreement May 28 on differences between the two houses in the trade agreements act extension bill, H. R. 1612.

The agreement consisted of the house accepting all the senate changes with two minor modifications. A senate proposal placing import quotas on furs was modified to prohibit such imports from Russia or Communist China. The other modification was in the so-called escape clause. The amendment provides for use or application of the clause whenever there is an actual increase in imports or an increase relative to domestic production.

As agreed upon finally, the bill extends the life of the trade agreements act for two years from June 12, but places curbs on use of the negotiating powers by the President. The peril point provision which was in the 1948 version of the act, but eliminated the next year was restored and authority is given the President to withdraw concessions to Communist-dominated countries.

Antibiotics Certification Rules Amended by US

Regulations of the Federal Food and Drug Administration, covering the certification of antibiotic drugs, were amended by the agency May 26 to provide for certification of two new preparations, crystalline penicillin and bacitracin, and bacitracin-neomycin tablets. The amendments, which permit the immediate marketing of the new products, also modified existing regulations to provide for certification of bacitracin intended for systemic medication if the drug is labeled "for hospital use only."

Export Quotas Bind Controlled Materials

Exports of controlled materials produced after June 30 will be licensed against export quotas established under the Controlled Materials Plan, the Office of International Trade announced June 1.

Beginning immediately, DO ratings will be assigned by OIT for procurement of these materials. If the materials are already in the licensed applicant's possession, no priority rating will be assigned, but the quantity will be charged against the export quota.

Controlled materials are copper, aluminum and steel, including tinplate in the shapes and forms listed in schedule 1 of CMP regulation 1 issued by National Production Authority. The third quarter export quotas established for these materials by the Defense Production Administration are:—Carbon steel, 479,150 short tons; alloy steel, 18,850 short tons; stainless steel, 4,000,000 pounds; tinplate, 125,000 short tons; copper and copper-base alloys, 7,500,000 pounds, and aluminum, 2,500,000 pounds.

Soda Ash Plant Expansions With Tax Aid Held Unlikely

The alkali industry has been advised by the National Production Authority that it is unlikely that any certificates of necessity will be issued for expansion of the soda ash industry. The information was given at a meeting of NPA officials with the alkali and chlorine producers industry advisory committee May 28.

NPA explained that a survey of domestic alkali production has been made to determine if expansion might be needed. Statistics show, NPA said, that capacity for soda ash is now roughly 4,500,000 tons a year, which is ample for current requirements. Projecting needs as far as 1953, NPA said that only 5,500,000 tons would be needed then.

The agency's survey also showed, it was stated, that 2,500,000 tons of caustic soda are now being produced, of which 2,250,000 tons are being consumed annually. Industry representatives recommended that NPA make a geographic survey of production facilities because, they said, conversion is impossible in certain localities.

The Defense Production Administration announced May 28 that it had approved an additional list of accelerated tax amortization certificates covering expansions in production facilities in the chemicals industry area. The product, company, plant location and percentage of cost declared eligible for accelerated amortization follows:—

Bichromate of soda—Diamond Alkali Company, Painesville, Ohio, 50 percent of $311,236.

Cellulose—Olin Industries, Inc., New York, 65 percent of $17,439,000; Rayonier, Inc., Fernandina, Fla., 65 percent of $2,965,535.

Hydrogen peroxide—Buffalo Electro-Chemical Company, Vancouver, Wash., 50 percent of $4,320,000.

Methyl styrene—Dow Chemical Company, Midland, Mich., 60 percent of $10,241,000.

Phosphate insecticides—Pittsburgh Coke & Chemical Company, Neville Island, Pa., 50 percent of $450,000.

Potassium persulphate, hydrogen peroxide—Buffalo Electro-Chemical, Tonawanda, N. Y., 50 percent of $1,450,000.

Styrene—Dow Chemical, Freeport, Tex., 70 percent of $1,610,000.

Styrene monomer—Koppers Company, Kobuta, Pa., 70 percent of $3,691,000; same for second project costing $320,267; Monsanto Chemical Company, Texas City, Tex., 70 percent of $8,600,000.

Toluene—Shell Oil Company, Wood River, Ill., 100 percent of $150,000.

Toxaphene—Hercules Powder Company, Hattiesburg, Miss., 50 percent of $1,732,334.

Steel Container Plant Planned by U.S. Steel

United States Steel Products Company, United States Steel Corporation subsidiary, has exercised an option to purchase land in Pennsauken Township, Camden County, N. J., as a site for the eventual construction of a steel container plant. The property is twenty miles southeast of U. S. Steel's Fairless works, now under construction at Morrisville, Pa., and is across the Delaware river from Philadelphia. It is contemplated that steel for the operation of the proposed new plant will be supplied by the Fairless works, which is scheduled for completion by the end of 1952.

No date has been set for building the new plant, but it is expected that preparations for commencement of construction will proceed at once in view of the important steel container requirements of the Armed Services and industries which supply the national defense program.

Cottonseed Meal Price Ceilings May Include Transport Costs

Sellers of cottonseed meal and other cottonseed feed products were authorized June 1 by the Office of Price Stabilization to add increased costs of transportation in acquiring materials to their ceiling prices.

Because of local shortages of cottonseed, many dealers have had to go to other areas to obtain supplies and this has increased their normal transportation costs. As a result, OPS said, some dealers are taking a loss of as much as $3 to $5 a ton under present GCPR ceilings.

The regulation (SR-31 to GCPR) is an emergency measure and permits sellers to add extra transportation costs to their ceiling prices. Resellers also may pass on these extra costs. Unless superceded or withdrawn, the amendment will be effective only until September 1, 1951, when the new cotton crop will be moving to the market.

OPS Sets Specific Ceilings on Zinc Scrap

Ceiling price regulation 43, effective June 6, established new dollars-and-cents ceiling prices on zinc scrap substantially prevailing market levels, the Office of Price Stabilization announced June 1.

The regulation fixes a ceiling on unsweated zinc dross, the largest tonnage grade, at 12¼ cents per pound. This compares with the general freeze price of about 17½ cents for primary zinc. Two other important grades, new zinc clippings and trimmings and engravers and lithographers plates, are ceiled at 14½ cents per pound, a level calculated to encourage zinc consumers to use these materials in place of higher-cost new metal.

Medical Chemicals Making New Thiosalicylic Esters

Medical Chemicals Corporation, Chicago, has started pilot plant production of a series of new thiosalicylic esters—methyl, ethyl, lauryl, cetyl, and stearyl thiosalicylates. Pharmaceutical and cosmetic experiments with these chemicals are invited.

Amsco Promotes McLaughlin

James V. McLaughlin was elected assistant secretary and assistant treasurer at the annual meeting June 1 of American Mineral Spirits Company, New York. In assuming his new duties, Mr. McLaughlin has become manager of the New York and eastern branch offices of the company. Prior to his advancement he was Amsco's eastern division credit manager for a number of years.

Lead Duty Boost Denied

The Tariff Commission announced May 31 that an application on file since February 16 for an increase in duty on imports of lead-bearing ores and other lead products included in paragraphs 391 and 392 of the tariff act of 1930 has been denied and dismissed. The application was filed by the Emergency Lead Committee of New York.

Tenn. Eastman to Sell Gasoline Additives Direct

Tennessee Eastman Company, Kingsport, Tenn., has announced that it will undertake the direct sale of its line of gasoline additives. They will be sold under the trade name "Tenamene." Tennessee Eastman began the manufacture of gum inhibitors for gasoline over fifteen years ago. Until recently the entire production of gasoline additives has been marketed through another company.

Merck Production Head

Dr. Frank L. Cohen has been appointed director of production of Merck & Co., Rahway, N. J. In this position, he will be responsible for directing and integrating all manufacturing, packaging and shipping operations of the company's Cherokee plant at Danville, Pa., Falls plant at Philadelphia, Pa., Stonewall plant at Elkton, Va., and the Rahway plant. Dr. Cohen was formerly assistant to the vice-president for production. He first joined the Merck organization in 1932 as a research chemist.

Dow Develops New Catalyst for Butadiene

A new chemical development will substantially increase synthetic rubber production from the same amount of raw material now used, according to Leland I. Doan, president of the Dow Chemical Company, Midland, Mich.

The product is a new catalyst, a calcium-nickel phosphate with proper adaptations of existing equipment. It will convert approximately 92 percent of butylene into butadiene, as compared with about 70 percent conversion for catalysts now in use.

The catalyst dehydrogenates n-Butylenes to produce 1,3-Butadiene required for synthetic rubber. With the new catalyst, less gases having only fuel value are produced. Although availability of the catalyst is keeping abreast of current requirements, considerable expansion of production facilities is anticipated in the near future, Mr. Doan said.

P.A.'s-Eye View of Business

Composite view, June 3, of purchasing agents composing the Business Survey Committee of the National Association of Purchasing Agents,

The month of May ended with purchasing agents reporting industrial business on the decline. Order backlogs have dropped for the third consecutive month, and production is easing off. Defense orders have increased, but their effect is not being felt over a very wide area of industry. The immediate future seems to offer quite gloomy prospects for many manufacturers. Material allocation under the Controlled Materials Plan is not expected to help much in the third quarter.

Prices, at least those under control, remain stabilized, but there is confusion as to the results of pricing ordered by CPR 22, the deadline for which is now postponed to July 2. Industrial materials inventories are unchanged and still badly out of balance.

Employment reductions, both in number and worktime, are reported by 16 percent —the largest number showing this condition since March of 1950.

Buying policy is reported by 83 percent to be within the ninety-day spread, with a definite trend to sixty days and thirty days, confirming the shortened order books.

Committee members' opinion on future business conditions do not reach beyond the third quarter, during which they expect many soft spots to develop. Beyond that, changes will be influenced largely by international events, price, material, and inflation controls.

Commodity Prices

The overall industrial materials price situation could be called "static," with fewer reports of increases than we have had since December, 1949, and most of these are in materials outside the price controls. Ceiling price determination under CPR 22, so far, has had little effect, up or down; in fact, very few ceiling prices have been announced, and probably will not be until the new filing date of July 2. The regulations are too complex, in their alternative permissible formulas, to permit a clear analysis of the future price structure. It is, however, probable that a wave of relief appeals will hit Washington this summer, and that many lower-priced, low-profit items will possibly disappear from the markets.

Inventories

Industrial stocks continue the trend away from any semblance of balance. Third-quarter allotments of the scarce materials are so unpredictable that purchasing agents have a difficult time determining the quantities of easier-to-get raw materials and fabricated parts to secure for that period. Due to cutbacks and reduced demands from some customers, many fabricators are able to make prompt delivery. Attempts to cancel or defer delivery of some items find them ready to go in the vendor's shipping room.

Employment

May, normally a month of seasonal employment increase, is disappointing in that respect this year. The change is not drastic or general in scope, but many plants are reporting cuts in working time and temporary layoffs. It is attributed to

—*Continued on page 69*

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Market Reports

(See Page 9)

Importer Price Ceiling Deadline Now July 15

Filing requirements for importers under the import price regulation (CPR-31) were simplified by the Office of Price Stabilization June 1 and the deadline for filing reports was extended until July 15.

In a revised amendment to CPR-31, the agency relieved importers of the necessity of reporting quantities at the time they file their price markups as required under the regulation.

Importers now only have to list the commodity, class of buyer and the dollar-and-cents markup in filing their reports with the export-import branch of OPS in Washington.

Although the filing job has been somewhat eased, OPS said, the deadline has been extended because of the large inventories many importers have on hand. Importers who have filed their markups or who do so before July 15 may use the new price ceilings established under the regulation.

Gidney Leaves Gulf Oil

Herbert A. Gidney has retired from the Gulf Oil Corporation, it was announced last week. He has been with Gulf companies for more than thirty-one years and has been a member of the board, executive vice-president, a member of the executive committee, finance committee and numerous other management and employee benefits committees.

Foreign Sales Leads

Firms in the United States who are interested in supplying the following inquiries with goods or information can get the full address of the inquirer by communicating — not by telephone, please — with the OPD office:—

Calcium chloride, Aleppo, Syria (HL-2).
Casein Derivatives, technical information on their use in malnutrition, Johannesburg, Union of South Africa (HL-4, agency).
Caustic soda, Aleppo, Syria (HL-2).
Cellulose acetate, Starnberg, Germany (HL-1).
Cellulose acetate butyrate, Starnberg, Germany (HL-1).
Chemicals, Winnipeg, Canada (HL-2, agency).
Film scrap, Starnberg, Germany (HL-1).
Soda ash, Aleppo, Syria (HL-2).

Foreign Trade Lists

Lists of foreign outlets and sources for chemicals and related materials and consumers goods, recently compiled by the Commercial Intelligence division of the United States Department of Commerce, include the following, which are available from the division at $1 a list for any one country:—

Ceramic manufacturers—Portugal.
Medicinal and toilet preparation manufacturers—Union of South Africa.
Oil (animal, fish, vegetable) importers, dealers, producers, refiners, exporters—Portugal.
Plastic material manufacturers, molders, laminators, etc.—France.
Textile industry—Portugal.

In New Canco Post

G. W. Reese, associated with the American Can Company for thirty-one years, has been appointed general manager of manufacture. Formerly assistant general manager of manufacture, Mr. Reese succeeds S. D. Arms, who recently was elected vice-president in charge of the company's Atlantic division. F. J. Green and C. F. Lausten, formerly managers of manufacture in the firm's Atlantic and Pacific divisions, respectively, have been named assistant general manager of manufacture. R. B. Thompson and A. T. Augensen, formerly assistant managers of manufacture in the Atlantic and Pacific divisions, respectively, have been promoted to managers of manufacture of the divisions in which they held their previous positions.

Borden Names 2 Chemical Division Vice-Presidents

The appointment of Herbert H. Clarke, jr., and Charles W. Niederauer as vice-presidents of the Borden Company's chemical division has been announced by William F. Leicester, president of the division.

Mr. Clarke has been manager of the chemical division's West Coast activities since 1950. He joined the division in 1940 and, in 1946, was appointed western sales manager. Before coming to Borden's, Mr. Clarke worked in plywood production and research for the Wheeler Osgood Company and Buffelen Manufacturing Company, both of Tacoma, Wash.

Mr. Niederauer has served as manager of general services and as executive assistant to the president of the chemical division for the past three years. He joined Borden's employee relations department in 1943 and, in 1945, was appointed supervisor of labor relations and general administrator for the chemical division.

Paint Federation Council Opposes Change of Name

It was the sense of the council of the Federation of Paint and Varnish Production Clubs expressed by vote at its spring meeting in Detroit, May 26, that the name of the organization should not be changed. A suggestion that the federation be renamed had been under consideration by a committee during the year, but no formal report was made.

The council acted favorably upon a recommendation that the federation enter into closer and more expansive cooperation with the National Association of Corrosion Engineers in developing the application of protective coatings for the prevention of corrosion. Particular emphasis was laid on the areas of construction in connection with schemes for water power.

A recommendation by the Chicago club that, in the publication of federation papers, better recognition be given to the chairman and committee members whose work was reported, was approved by the council.

But, it tabled another Chicago resolution designed to expedite the preparation of the federation's yearbook by requiring all club data to be in by November 1. Discussion brought out that club annual meeting dates run all the way from January to December.

Action was deferred on another Chicago proposal that the processing of membership applications be speeded up. The prevailing thought was that the matter should await pending amending of the constitution and by-laws. Receipt by the C.D.I.C. club of an application from a woman paint chemist caused some discussion, with an agreement that there is nothing in the federation's laws against the admission of female members who are duly qualified.

The consensus was against having a spring meeting or symposium for the federation. But, sectional meetings and joint meetings of local clubs were heavily favored.

A comprehensive analysis of the constitutions and by-laws of local clubs had been started with a view of assuring a tax-exempt status for the clubs. Data reported to the council showed great differences among the dates of various club activities and it was urged that uniformity be sought. Information was given in a report on the requirements of tax information forms 1024 and 990. Five clubs have been granted exemptions. Thirteen have not yet made applications. A general study of club activities is being made; answers have been got from twelve of the locals.

New Equipment

Among the committee reports distributed in mimeographed form and briefed orally was the following for the manufacturing committee:—

The J. M. Lehmann Company has recently released information on two new vertical three-roll paint mills. These new mills have the motor mounted on a hinged platform on top of the machine frame to conserve floor space. The hinged platform makes easy adjustment of the Multi-V-Belt drive. The material hopper is extra large. Other features of the new mills are hopper end plate seated on bevel at each end of roll; centrifugally cast dual metal rolls for maximum dispersion efficiency and capacity; quick and easy grease gun lubrication of all bearings; heavy-duty, precision-cut helical gears totally enclosed within the machine frame; safety shear arrangement which is easily replaced.

Charles Ross & Son Company is producing a

—Continued on page 80

National Lead Promotes Two in Atlantic Branch

Ralph M. Bennett has been appointed manager of the pigment division of National Lead Company's Atlantic branch, succeeding W. A. Terwilliger, who retired on June 1. J. A. Zang has been named

Ralph M. Bennett

manager of painters' products and oils for the branch.

Mr. Bennett began his career in the paint field with the Sherwin-Williams Company in 1918. He became assistant manager of the company's industrial, railway and marine sales department and, in 1932, was placed in charge of the maintenance

--Continued on page 81

Petrochemicals Firm Formed By Firestone, Cities Service

Formation of the American Petrochemical Corporation, for the manufacture of essential chemicals from petroleum hydrocarbons, was announced last week by Harvey S. Firestone, jr., chairman of the board of the Firestone Tire & Rubber Company, and W. Alton Jones, president of Cities Service Company.

The new company has developed plans for construction of a large chemical plant, the production of which ultimately would encompass the fields of plastics, synthetic rubber, additives for lubricating oil, cracking catalysts, anti-freeze and many high volume petrochemicals.

A site at Lake Charles, La., is under consideration for the new plant. Cities Service owns and operates at Lake Charles a 160,000-barrel refinery, which would be a source of supply of light hydrocarbons for the chemical plant. Firestone Tire & Rubber operates a government-owned synthetic rubber plant adjacent to the refinery.

Ownership of the new corporation will be equally divided between the two companies. The association of Cities Service and Firestone is particularly advantageous because of their joint interest in the future of synthetic rubber and other products derived from hydrocarbons, and the fact that the petroleum and natural gas resources of Cities Service Company joins with Firestone's established position in the plastics industry, spokesmen said.

Southwest Potash Names Camp Sales Vice-Pres.

Thomas E. Camp, jr., has been named vice-president in charge of sales for Southwest Potash Corporation, New York, a subsidiary of the American Metal Company, Ltd. Mr. Camp formerly was division manager of Armour Fertilizer Works, Atlanta, Ga.

Southwest Potash is building a mine and mill in the Carlsbad, N. M., area which will be capable of handling 2,500 tons of ore per day. It will be treated by the flotation process to produce standard muriate of potash, with a minimum content of 60 percent K_2O. Initial annual capacity of the plant will be 1,255,000 tons of K_2O. Production is expected in the latter half of 1952.

Upjohn Production Facilities Increased 50% by New Plant

A new, modern pharmaceutical plant was placed in full operation last week by the Upjohn Company on a 1,500-acre site just outside Kalamazoo, Mich. Donald S. Gilmore, Upjohn's president, said the new plant would increase the firm's production capacity by almost 50 percent and would enable it to meet the growing need for drugs by both civilians and the armed forces.

Upjohn personnel collaborated with engineers of the Austin Company, which built the plant, to achieve a design flexible enough to produce all of the more than 700 products now made by Upjohn and yet leave space and facilities to switch quickly to large-scale production of drugs still to be discovered and developed.

Consolidated under one roof are operations which formerly occupied thirty buildings and nineteen acres of floor space in downtown Kalamazoo. Remaining at Upjohn's downtown site are the administrative offices and the research department, which employs 375 people in ten departments, ranging from physics to endocrinology.

The new plant is designed and equipped to produce drugs on an assembly line basis. For example, it is capable of producing 2,000,000 to 4,000,000 vitamin capsules per day.

Washington Talks It Over

By Ralph L. Cherry

Secretary of the Interior Oscar Chapman and other top officials in the department are again beating the drums on behalf of a program of synthetic liquid fuels production, using either oil shale or coal as a source material. For the past several weeks they have been pushing the program at group meetings and conventions at every opportunity, as insurance against the day when the petroleum industry may no longer be able to find sufficient new reserve supplies of oil to meet demand.

The sudden renewed interest in this program has been touched off by some hints from private sources that they might be willing to invest a few hundred million in a coal hydrogenation plant if they can be given assurances of a ready market for the output. Mr. Chapman suggests that this take the form of an agreement by the government to purchase the finished products over a period of eight to ten years. The plant being talked about is one that would produce about 7,500 barrels of motor gasoline per day plus an equal amount of chemicals including such important ones as benzene, toluene and naphthalene.

It is recalled that Mr. Chapman made a big play for construction of one or more coal hydrogenation plants early in the defense program when the shortage of benzene for the revived synthetic rubber industry was a problem. His ideas were turned down, however, because it would take from two to two-and-a-half years to build the plant—the needs of the synthetic rubber program for benzene couldn't wait this long—and also because of the high cost as well as the vast amounts of critical materials that would be needed in construction. It was decided to turn to the petroleum industry as the source material for the expanding benzene production.

Prescription Refilling

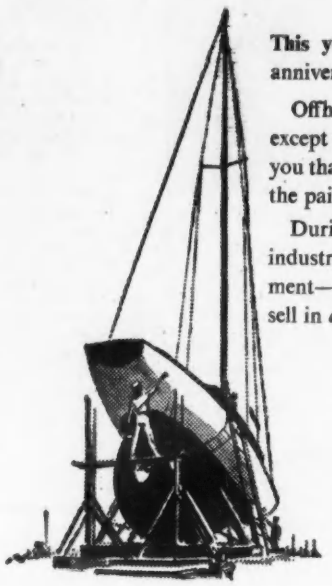
Drug and pharmaceutical manufacturers appear to have made a good impression on the members of the house interstate and foreign commerce committee during the recent hearings on the Durham-Humphrey prescription refill bill, and it is probable that the bill will be amended considerably before it comes out of committee—if it comes out at all this year.

Committee members don't like the idea of giving discretionary authority to the Federal Security Administrator to say which drugs can be sold only on prescription and which may be sold over the counter. If any kind of a list like this is to be drawn up, the chances are that it will be stated in the federal statute by congress with discretionary authority given to the administrator only to add those products which are of a similar class.

There is an undercurrent of feeling on the committee that the whole squabble between the retail druggists and FDA over the refilling of prescriptions stems

—Continued on page 38

What 50 productive years have meant to the paint industry



This year, we at American Can Company are observing our 50th anniversary.

Offhand, you wouldn't think our anniversary would be very important except to the 33,000 people who work for Canco. But may we remind you that this anniversary celebrates 50 productive years that have helped the paint industry grow and prosper?

During this half century, Canco's growth and co-operation with your industry have brought forth widespread process and product improvement—opening *new* markets for finishes of all kinds and helping you sell in *all* markets more efficiently than ever before.

A good case in point is the ingenious "Double-Tite" paint can. This container, developed by Canco, has brought ready-mixed paints to millions by making it practical for these paints to be packed and shipped everywhere.

The people of Canco are proud of this and the many other Canco contributions to the paint industry.

And it is our pledge for the years ahead that the inventiveness and ingenuity so characteristic of Canco will continue to explore and open up new areas of usefulness to your industry.

AMERICAN CAN CO.

New York • Chicago • San Francisco • Hamilton, Canada

Association Meetings

American Association of Textile Chemists and Colorists, annual meeting, Statler hotel, New York, October 17-19.

American Council of Commercial Laboratories, Amoassador hotel, Los Angeles, Calif., June 14-15; Baker hotel, Dallas, Tex., November 15-16.

American Institute of Chemical Engineers, annual meeting, Chalfonte-Haddon Hall, Atlantic City, N. J., December 2-5.

American Leather Chemists Association, Griswald hotel, Groton, Conn., June 11-13.

American Petroleum Institute, annual meeting, Chicago, November 5-8.

American Pharmaceutical Association, Statler notel, Buffalo, N. Y., August 26-31

American Plant Food Council, annual meeting, The Homestead, Hot Springs, Va., June 14-17.

American Public Health Association, annual meeting, Civic Auditorium, San Francisco, Calif., October 29-November 2.

American Society for Testing Materials, annual meeting, Atlantic City, N. J., June 18-22

American Soybean Association, annual meeting, Fort Des Moines hotel, Des Moines, Iowa, September 6-8.

Association of Consulting Chemists and Chemical Engineers; annual meeting, Shelburne hotel, New York, October 23.

Chemical Institute of Canada, annual conference, Winnipeg, June 18-20.

Chemical Market Research Association, annual meeting, Roosevelt hotel, New York, June 7.

Chemical Specialties Manufacturers Association, annual meeting, Mayflower hotel, Washington, D. C., December 2-4.

Del-Mar-Va Peninsula Fertilizer Association, George Washington hotel, Ocean City, Md., June 30.

Drug, Chemical and Allied Trades section of New York Board of Trade, annual meeting, Shawnee-on-Delaware, Pa., September 20-22.

Federal Wholesale Druggists Association, annual meeting, Greenbrier hotel, White Sulphur Springs, W. Va., September 9-12.

Federation of Paint and Varnish Production Clubs, annual meeting, Chalfonte-Haddon Hall, Atlantic City, N. J., November 1-3.

Institute of Food Technologists, annual meeting, New Yorker hotel, New York, June 17-20.

International Congress of Pure and Applied Chemistry, New York, September 9-11.

Manufacturing Chemists Association, joint outing with SOCMA, Greenbrier hotel, White Sulphur Springs, W. Va., June 14-16.

National Butane-Propane Association, district meeting, Texas hotel, Fort Worth, Tex., June 12.

National Fertilizer Association, annual meeting, Greenbrier hotel, White Sulphur Springs, W. Va., June 11-13.

National Foreign Trade Council, Waldorf-Astoria hotel, New York, October 29-31.

National Paint, Varnish and Lacquer Association, Chalfonte-Haddon Hall, Atlantic City, N J., October 29-31.

National Pest Control Association, annual meeting, Statler hotel, Boston, Mass., October 29-31.

National Soybean Processors Association, annual meeting, Edgewater Beach hotel, Chicago, August 16.

National Wholesale Druggist's Association, annual meeting, Shamrock hotel, Houston, Tex., October 13 to 18.

Packaging Institute, annual forum, Commodore hotel, New York, October 22-24.

Synthetic Organic Chemical Manufacturers Association, joint outing with MCA, Greenbrier hotel, White Sulphur Springs, W. Va., June 14-16.

World Metallurgical Congress, in connection with the National Metal Congress and the National Metal Exposition, Detroit, Mich., October 15-19.

Commercial Solvents Award Won by Pfizer Research Team

The 1950 Commercial Solvents Award in Antibiotics was presented May 29 at the annual meeting in Chicago for the Society of American Bacteriologists to the terramycin research team of Chas. Pfizer & Co., Brooklyn, N. Y. The award, which consists of a gold medal and $1,000, was presented by Dr. Walter J. Nungester, president of the society, to Dr. G. L. Hobby, who was designated spokesman for the research group.

The award committee, composed of members of the society, selected the Pfizer group for the discovery of the new antibiotic, terramycin. Studies included the isolation and crystallization of the active material, its chemical and physical characterization, and the determination of its toxicity and antibacterial activity. Members of the research group, who also received individual scrolls, included A. C. Finlay, Dr. Hobby, J. H. Kane, Dr. S. Y. Plan. Dr. P. P. Regna, Dr. J. B. Routien, Dr. D. B. Seeley, Dr. G. M Shull, Dr B. A. Sobin, I. A. Solomons, and J. W. Vinson.

ADMA 1953 Meeting Set for Boca Raton

The American Drug Manufacturers Association has selected Boca Raton, Fla., as the place for its 1953 annual convention, it is announced by Carson P. Frailey, executive vice-president of the association. The meeting will be held April 13 to 16 and will be the forty-first annual convention of ADMA.

Oils, Fats Consumption: March

Factory consumption of primary oils, fats, fatty acids, and related materials in March, 1951, totaled 1,402,467,000 pounds, according to the Bureau of Census. Consumption in the major specified lines of industry included the following quantities:—

	Pounds
Edible products	248,591,000
Paint and varnish	55,976,000
Processing	288,675,000
Refining	506,495,000
Soap	184,450,000

Factory consumption of individual materials was reported as follows:—

Oils

	Pounds	
Babassu—	Crude	Refined
Refining	[1]	.....
Soap	[1]	[1]
Other uses	.....	[1]
Castor—	No. 1	No. 3
Refining	.....	.....
Fat-splitting	[1]	.....
Sulphonation	397,000	543,000
Soap	50,000	9,000
Paint and varnish	777,000	58,000
Linoleum and oilcloth	[1]	[1]
Chemicals	[1]	[1]
Lubricants and greases	119,000	24,000
Other uses	[3]7,722,000	[3]365,000
Castor, dehydrated—		
Soap	.....	.....
Paint and varnish	.....	2,995,000
Linoleum and oilcloth	.....	[2]
Lubricants and greases	.....	.....
Other uses	.....	489,000
Coconut—	Crude	Refined
Refining	35,061,000	.....
Deodorizing	.....	3,935,000
Hydrogenation	.....	2,928,000
Fat-splitting	6,064,000	.....
Sulphonation	41,000	[1]
Shortening	.....	2,698,000
Other edible products	[1]	1,514,000
Chemicals	[1]	[1]
Soap	12,978,000	10,895,000
Paint and varnish	.....	358,000
Other uses	[1]	[1]
Cod and codliver—		All grades
Sulphonation	.....	[2]
Deodorizing	.....	.....
Paint and varnish	.....	.....
Other uses	.....	[2]1,083,000
Corn—	Crude	Refined
Refining	24,991,000	.....
Sulphonation	[1]	[1]
Deodorizing	.....	4,271,000
Winterizing for salad oil	.....	7,931,000
Shortening	.....	[1]
Oleomargarine	.....	[1]
Other edible uses	[1]	7,496,000
Soap	[1]	[1]
Paint and varnish	[1]	.....
Other uses	[4]44,000	107,000
Cottonseed—	Crude	Refined
Refining	103,995,000	.....
Sulphonation	.....	[1]
Hydrogenation	[1]	26,641,000
Deodorizing	.....	969,000
Winterizing for salad oil	.....	30,360,000
Shortening	.....	19,353,000
Oleomargarine	.....	5,246,000
Other edible uses	.....	566,000
Soap	[1]	.....
Paint and varnish	.....	7,000
Other uses	[1]	[4]211,000
Fish—	Menhaden	Sardine
Refining	[2]	[2]
Fat-splitting	.....	[2]
Sulphonation	.....	356,000
Soap	[2]	.....
Paint and varnish	309,000	941,000
Linoleum and oilcloth	[2]	[2]
Lubricants and greases	89,000	[2]
Other uses	[2]892,000	[2]613,000
Fish, other—	Crude	Refined
Refining	.....	.....
Paint and varnish	19,000	176,000
Other uses	197,000	123,000
Fishliver, other than cod—		All grades
Sulphonation	.....	[2]
Lubricants and greases	.....	.....
Other uses	.....	[2]
Linseed—	Raw	Refined
Refining	34,065,000	.....
Fat-splitting	[1]	[1]
Soap	[1]	[1]
Paint and varnish	13,538,000	17,175,000
Linoleum and oilcloth	5,190,000	788,000
Lubricants and greases	[1]	[1]
Other uses	[1]12,157,000	[1]6,098,000
Marine mammal—		All grades
Refining	.....	[2]
Sulphonation	.....	467,000
Paint and varnish	.....	.....
Chemicals	.....	[1]
Lubricants and greases	.....	1,319,000
Other uses	.....	283,000
Neatsfoot—		All grades
Refining	.....	[2]
Sulphonation	.....	18,000
Soap	.....	.....
Chemicals	.....	[2]
Lubricants and greases	.....	25,000
Other uses	.....	[2]227,000
Oiticica—		All grades
Paint and varnish	.....	[2]
Linoleum and oilcloth	.....	[2]
Other uses	.....	174,000
Olive—	Edible	Inedible
Edible uses	[2]	.....
Soap	.....	.....
Other uses	[2]	[2]
Oleo—		All grades
Shortening	.....	[2]
Oleomargarine	.....	301,000
Other edible uses	.....	[2]
Soap	.....	[2]
Lubricants and greases	.....	.....
Other uses	.....	[2]
Palm—	Crude	Refined
Soap	[1]	[1]
Lubricants and greases	.....	.....
Other uses	2,882,000	[2]
Palmkernel—	Crude	Refined
Soap	.....	.....
Peanut—	Crude	Refined
Refining	[2]	[2]
Sulphonation	.....	128,000
Hydrogenation	.....	1,507,000
Deodorizing	.....	3,225,000
Winterizing for salad oil	.....	[1]
Shortening	.....	1,390,000
Oleomargarine	.....	[1]
Other edible uses	.....	1,274,000
Soap	[2]	[2]
Other uses	[2]	[2]238,000
Perilla—		All grades
Paint and varnish	.....	.....
Rapeseed—		
Lubricants and greases	.....	[2]225,000
Sesame, refined—		
All uses	.....	311,000
Soybean—	Crude	Refined
Refining	209,707,000	.....
Fat-splitting	1,144,000	.....
Sulphonation	[1]	82,000
Hydrogenation	[1]	59,416,000
Deodorizing	.....	11,209,000
Winterizing for salad oil	.....	[1]
Shortening	.....	53,140,000
Oleomargarine	.....	6,695,000
Other edible uses	.....	7,415,000
Soap	168,000	38,000
Paint and varnish	238,000	5,534,000
Chemicals	[1]	[1]
Lubricants and greases	31,000	37,000
Linoleum and oilcloth	.....	732,000
Other uses	3,275,000	[5]8,998,000

Tallow—	Pounds All grades
Soap	.....
Lubricants and greases	658,000
Other uses	[2]
Tung—	
Paint and varnish	5,616,000
Chemicals	.....
Lubricants and greases	.....
Linoleum and oilcloth	[1]
Other uses	991,000
Vegetable, not specified—	
Refining	21,354,000
Fat-splitting	630,000
Hydrogenation	1,766,000
Sulphonation	118,000
Winterizing for salad oil	11,920,000
Shortening	[1]139,000
Oleomargarine	112,000
Other edible uses	[1]610,000
Soap	[1]2,218,000
Paint and varnish	1,021,000
Linoleum and oilcloth	[1]207,000
Chemicals	[1]2,018,000
Lubricants and greases	[1]193,000
Other uses	[1]18,236,000

Fats and Greases

Grease and lard oil—		
Sulphonation	[2]	.....
Soap	.....	.....
Lubricants and greases	.....	1,765,000
Other uses	.....	[2]776,000
Grease, not specified—		
Refining	.....	.....
Fat-splitting	.....	7,181,000
Winterizing	.....	.....
Sulphonation	.....	[2]
Hydrogenation	.....	895,000
Pressing	.....	5,826,000
Soap	.....	39,423,000
Lubricants and greases	.....	1,086,000
Other uses	.....	[2]895,000
Lard—	Rendered	Refined
Shortening	7,815,000	4,491,000
Oleomargarine	224,000	.....
Hydrogenation	1,553,000	[2]
Other edible uses	250,000	206,000
Soap	[2]	[2]
Lubricants and greases	.....	[2]
Other uses	[2],[1]1,206,000	[2],[1]1,425,000
Stearin, animal—	Edible	Inedible
Shortening	492,000	.....
Oleomargarine	174,000	.....
Other edible uses	75,000	.....
Soap	.....	272,000
Other uses	[2]	284,000
Stearin, vegetable—		
Shortening	.....	3,256,000
Oleomargarine	.....	713,000
Hydrogenation	.....	1,514,000
Other edible uses	.....	[2]
Other uses	.....	.....
Tallow, edible—	Crude	Refined
Refining	[2]	[2]
Hydrogenation	.....	[2]
Pressing	1,635,000	.....
Shortening	557,000	[2]
Other edible	135,000	[2]
Soap	.....	.....
Lubricants and greases	.....	[2]
Other uses	[2]29,000	21,000
Tallow, inedible—	Crude	Refined
Refining	33,997,000	.....
Fat-splitting	19,272,000	[2]
Hydrogenation	[2]	[2]
Sulphonation	561,000	.....
Soap	67,452,000	27,747,000
Lubricants and greases	2,293,000	64,000
Other uses	[2]7,142,000	[2]171,000

Fatty Acids and Acid Stocks

Animal fat and oil fatty acids, not specified—	
Winterizing and pressing	7,692,000
Soap	3,269,000
Lubricants and greases	659,000
Other uses	[2]10,005,000
Animal oil foots (100 percent basis)—	
Soap	2,888,000
Other	[2]
Fatty acid stocks, not specified—	
Refining	.....
Fat-splitting	[2]
Sulphonation	.....
Soap	124,000
Paint and varnish	59,000
Linoleum and oilcloth	.....
Lubricants and greases	18,000
Other uses	[2]262,000
Fish and marine mammal oil fatty acids—	
Sulphonation	27,000
Paint and varnish	[2]
Lubricants and greases	.....
Other uses	[2]122,000
Fish and marine mammal oil foots (100 percent basis)—	
Other uses	[2]
Olive oil foots (including sulphur oil)—	
Soap	562,000
Red oil—	
Sulphonation	261,000
Soap	2,091,000
Paint and varnish	27,000
Chemicals	668,000
Lubricants and greases	365,000
Other uses	[2],[1]1,748,000
Stearic acid—	
Sulphonation	24,000
Soap	329,000
Paint and varnish	85,000
Lubricants and greases	449,000
Chemicals	650,000
Other uses	[2],[3]3,708,000
Vegetable oil fatty acids—	
Sulphonation	[2]
Hydrogenation	.....
Soap	3,245,000
Paint and varnish	1,071,000
Lubricants and greases	42,000
Chemicals	1,707,000
Other uses	[2]6,405,000
Vegetable oil foots (100 percent basis)—	
Fat-splitting	9,362,000
Soap	5,818,000
Paint and varnish	50,000
Other uses	[2]910,000

Unclassified

Materials not shown separately—	
Refining	2,529,000
Fat-splitting	2,256,000
Hydrogenation	8,516,000
Sulphonation	876,000
Pressing	1,872,000
Shortening	381,000
Oleomargarine	694,000
Soap	2,333,000
Paint and varnish	[2]
Linoleum and oilcloth	1,737,000
Chemicals	2,483,000
Lubricants and greases	648,000
Other uses	[2]7,381,000

[1] Included in "vegetable oils, not specified," including small quantities for items for which data are not reliable.
[2] Included in "materials not shown separately," including small quantities for items for which data are not reliable.
[3] Not shown to avoid disclosure of individual operations.
[4] Includes 941,000 pounds denatured or shipped in inedible tanks.
[5] Includes 1,176,000 pounds denatured or shipped in inedible tanks.

Pattison Joins Soap Ass'n; Dalton Retires

E. Scott Pattison has been named manager of the glycerin division and of the newly organized fatty acid section of the Association of American Soap & Glycerine Producers. To accept the post, he has resigned as executive vice-president of the G. M. Basford Company, New York advertising agency.

At the same time the association announced the retirement of N. N. Dalton after fifty years in the soap industry. Mr. Dalton had been research director of the organization since 1934.

Mr. Pattison has been associated with Basford since 1936, and has been active

E. Scott Pattison

in the work of the National Industrial Advertisers Association, the Advertising Research Foundation and other industry groups. Previously he was with the Mathieson Chemical Corporation.

Mr. Dalton started in the soap industry when he graduated from the University of Cincinnati in 1899 and joined the glycerin division of the Procter & Gamble Company. In 1903 he went to work

—*Continued on page 90*

NAPA Convention, Opening Today, to Discuss Controls

The impact of government controls on a semiwar economy will feature a broad program of prices, materials and economic trends at the thirty-sixth annual international convention of the National Association of Purchasing Agents, which gets underway today in the Waldorf-Astoria, New York. Prominent speakers from both industry and government will lay particular emphasis on the effect of regulations and controls in the day-to-day activities of the men who are responsible for buying the materials needed by American industry. The convention will run through June 6.

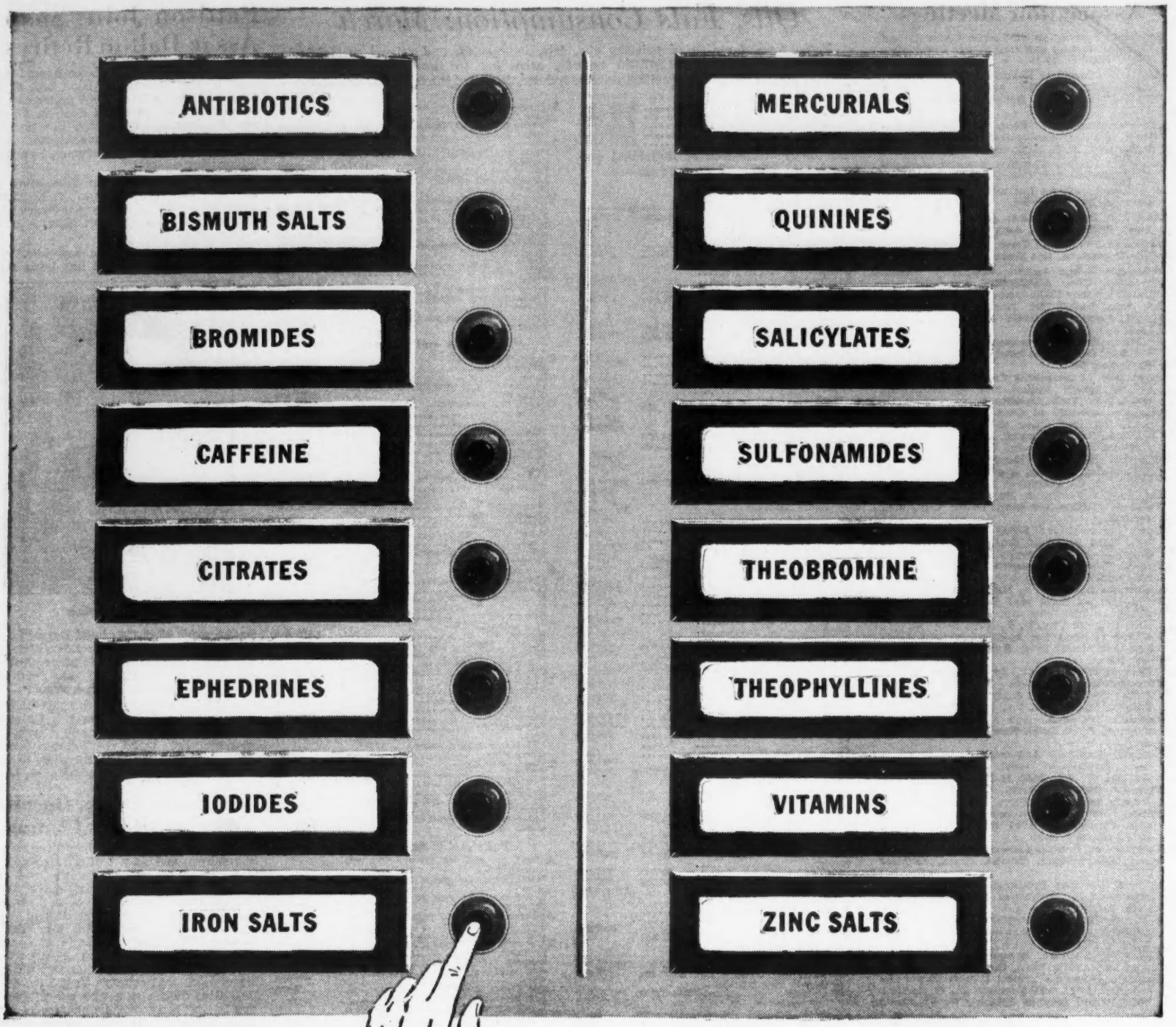
Among the government officials who will address meetings are Michael V. DiSalle, director of the Office of Price Stabization; Manly Fleischmann, administrator, National Production Authority; Walter C. Skuce, CMP Administrator, and Harold Leventhal, general counsel of the Office of Price Stabilization.

Panel discussions on the outlook for individual commodities will highlight the meetings. Leading industry representatives wil participate in these discussions on supply and demand trends in such commodities as coal, fuel oil, nonferrous metals, chemicals, paper, textiles and containers. Government officials representing the National Production Authority will also participate in the commodity discussions.

A forum on "Standardization" is scheduled with participants from leading industrial firms. A separate panel will be held on governmental, educational and Institutional buyers' problems. A popular feature of previous conventions, the "Inform-A-Show" wil be continued this year. The show includes exhibits of machinery, equipment and materials arranged for the special benefit of industrial buyers.

DCAT June 12 Meeting To Hear DPA Official

The newly-appointed assistant administrator of the Defense Production Administration, Eugene F. Bertrand, will address the Drug, Chemical and Allied Trades section of the New York Board of Trade at its Spring luncheon meeting, to be held June 12 at 12:30 p. m. at the Astor hotel, New York. Title of the address will be "What Defense Mobilization Means to American Business."



Why it pays to call on Merck

MERCK LEADERSHIP in the field of fine chemicals is built on the long-established confidence of Merck customers . . . on the trust of countless chemical users in the purity and uniformity of Merck products . . . on the know-how acquired through many years of pioneering experience in the manufacture of fine and medicinal chemicals.

IT PAYS TO CALL ON MERCK

MERCK & CO., INC.
Manufacturing Chemists
RAHWAY, NEW JERSEY

FINE CHEMICALS FOR THE PROFESSIONS AND INDUSTRY SINCE 1818

Current Market Quotations

Chemicals and Related Materials

All matters under this heading fully protected by copyright.

Unless otherwise indicated, listings are first-hand quotations prevailing, according to information and belief, June 1 on large lots, f.o.b. New York, with the lowest in the left-hand column and the highest in the right-hand column. The listings do not represent bid and asked prices nor a range over the week. Differences between high and low may be accounted for by differences in quantity, quality, locality, or individual suppliers' views.

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A

Acacia (see Gum, arabic).

Acenaphthene below 92.5 C., m.p., dms., works lb .40 - —
over 92.5 C, m.p. dms., works lb. .50 - —

Acetaldehyde, 99% dms. c.l., frt. equald lb. .12½- .13
l.c.l., frt. equald lb. .13½- .13¾
tanks, frt. equald lb. .10½- .11

Acetaldol (see Aldol).

Acetamide, tech. fib., dms lb .45 - —

Acetanilide tech. bbls., c.l., dlvd lb. .25½- .26¼
l.c.l., ton lots lb. .26½- .27½
smaller lots lb. .29½- .30¼
USP bbls., 2,000-lb. lots lb. .50 - —
smaller lots lb. .56 - —

Acetic anhydride dms., c.l., frt. alld. E lb. .14½- .15
l.c.l., frt. alld. E lb. .16 - .16½
tanks, frt. alld. E lb. .13 - .13½

Acetoacetanilide, bbls., dlvd lb. .79¾- —
fib. dms., c.l., dlvd lb. .73 - —
l.c.l., dlvd lb. .74 - —

Acetoacetorthochloranilide bbls., dlvd lb. 1.23 - —
fib. dms., c.l., dlvd lb. 1.22 - —
l.c.l., dlvd lb. 1.23 - —

Acetoacetorthotoluidide, bbls., dlvd lb. .79 - —
fib. dms., c.l., dlvd lb. .78 - —
l.c.l., dlvd lb. .79 - —

Acetone, CP, dms., c.l., dlvd lb. .10¼- .11¾
l.c.l., dlvd lb. .11 - .12½
tanks, dlvd lb. .08½- .10

Methyl (see M).

Acetonitrile, dms., c.l., works lb. .45 - —
l.c.l., works lb. .47 - —

Acetophenetidin USP, bbls., works, frt. equald lb. 1.15 - 1.38

Acetophenone, cns., dms lb. 1.35 - 1.85
tech., dms., l.c.l., works lb. .75 - —

Acetyltributyl citrate, tech., dms lb. .41½- —

Acetyltriethyl citrate, tech. dms lb. .38½- —

Acid, abietic, com'l, dms., c.l., works lb. .12 - —
l.c.l., works lb. .1390- —
cryst., dms., c.l., works lb. .07½- —
l.c.l., works lb. .08 - .08½

Acetic, com'l or redist., 28%, bbls. 100 lbs. 4.80 - —
56%, bbls. 100 lbs. 8.25 - —
70%, bbls. 100 lbs. 9.95 - —
80%, bbls. 100 lbs. 10.45 - —
glacial, synthetic, CP, dms., works 100 lbs. 14.50 - —
cbys., inclusive, works 100 lbs. 24.00 - 26.00
tech., dms., c.l., works 100 lbs. 10.50 - —
l.c.l., works 100 lbs. 11.00 - —
tanks, works 100 lbs. 9.00 - —
USP, cbys., works 100 lbs. 17.00 - 19.00

Acetic anhydride (see Acetic anhydride above).

Acetylsalicylic, USP special, bbls., makers primary distrib., point of ship't, 1,000-lb. lots lb. .60 - —
standard, fine, cryst., gran., (30-40 mesh) powd. (60 mesh), bbls. same basis, lb. .55 - —

Freight equald, ship't identical quantity over standard routes, from N. Y., Phila., Midland, Mich., Chicago and St. Louis.

Adipic, fib dms., works lb. .26½- —

Aminoacetic, NF, bbls., frt. adjusted lb. 1.50 - 1.75

Anthranilic, resub, bbls lb 2.10 - —
tech., bbls., frt. equald lb 1.21 - —

Arsenous, tech (see Arsenic, white).
USP (see Arsenic trioxide).

Ascorbic, USP, dms., 25-50 kilo lots kilo. 24.50 - —
10-kilo lots kilo. 24.85 - —
5-kilo lots kilo. 25.25 - —
bots., kilo lots kilo. 25.50 - —
500-gram lots kilo. 26.00 - —

Battery, cbys., c.l., E. works 100 lbs. 2.40 - —
l.c.l., E., works 100 lbs. 2.80 - 3.20

Benzoic, tech. bbls. dms., 100 lbs. or more lb. .40 - .43
USP, bbls., dms., 100 lbs. up lb. .50 - .54

Betahydroxynaphthoic (see betaoxynaphthoic acid).

Betaoxynaphthoic, bbls., works, lb. 1.35 - 1.39

Boric, tech., 99½%, cryst., bgs., c.l., works ton. 120.75 - —
ton lots, ex whse., N. Y. or Chi. ton. 166.50 - —
less ton lots, same basis, ton. 171.50 - —
bbls., c.l., works ton. 145.25 - —
ton lots, ex whse., N. Y. or Chi. ton. 191.00 - —
less ton lots, same basis, ton. 196.00 - —
bulk, c.l., works ton. 116.75 - —
gran., bgs., c.l., works ton. 95.75 - —
ton lots, ex whse., N. Y. or Chi. ton. 141.50 - —
less ton lots, same basis, ton. 146.50 - —
bbls., c.l., works ton. 120.25 - —
ton lots, ex whse., N. Y. or Chi. ton. 166.00 - —
less ton lots, same basis, ton. 171.00 - —
bulk, c.l., works ton. 91.75 - —
powd., bgs., c.l., works ton. 100.75 - —
ton lots, ex whse., N. Y. or Chi. ton. 146.50 - —
less ton lots, same basis, ton. 151.50 - —
bbls., c.l., works ton. 125.25 - —
ton lots, ex whse., N. Y. or Chi. ton. 171.00 - —
less ton lots, same basis, ton. 176.00 - —
bulk, c.l., works ton. 96.75 - —

USP $25 per ton higher.

Acid, Broenner's, bbls lb. 1.47 - —

Butyric, 99%, dms., c.l., works, lb. .38 - —
l.c.l., works lb. .38½- —
tankcars, works lb. .36½- —

Cacodylic, bots lb. 10.00 - 11.00

Camphoric, natural, dms lb. 4.00 - 4.75
synth. dms lb. 4.00 - 4.75

Capric, 90%, dms., l.c.l lb. .46 - —

Caprylic, 90%, dms., l.c.l lb. .46 - —

Castor oil, split, dms lb. .36 - .36½

Cassello, dms., frt. alld lb. 1.44 - —

Chicago, bbls., frt. alld lb. 3.21 - —

Chlorosulphonic, dms., c.l., frt. equald lb. .039 - —
l.c.l., frt. equald lb. .044 - .059

Chromic, 99½ 99¾%, dms., c.l. works lb. .27 - —
l.c.l., works lb. .27½- .28½

USP (see Chromium trioxide).

Cinnamic, refd. bots lb 2.50 4.00

Citric, anhyd., gran., fine gran., dms., c.l. lb. .26½- —
10,000 lbs. 1 ship't. lb. .27 - —
smaller lots lb. .27½- —
kgs. lb. .28½- —

Anhydrous citric acid powder, ½c. per lb. higher

USP cryst., dms., c.l. lb. .27½- —
10,000 lbs., 1 ship't. lb. .28 - —
smaller lots lb. .28½- —
kgs. lb. .29½- —

USP citric acid powder ½c. per lb higher.

Cleve's, mixed, bls lb. .79 —

Coconut oil, dist., dms lb. .24¾- .26
double dist., dms lb. .26¾- .28

Cottonseed oil, dist., dms lb. .20 - .21¼
double dist., dms lb. .20½- .21¾

Cresylic coaltar, dom., 50% above 207°C, non-ret dms., c.l., frt. equald gal. 1.31 - 1.36
l.c.l., non-ret. dms., same basis lb. 1.34 - 1.49
ret. dms., c.l., same basis gal. 1.28 - —
l.c.l., same basis gal. 1.33 - —
tanks, same basis gal. 1.20 - 1.25

204° to 207° C., non-ret. dms., c.l. same basis gal. 1.36 - —
l.c.l., same basis gal. 1.39 - —
ret. dms. c.l. same basis, gal. 1.33 - —
l.c.l., same basis gal. 1.38 - —
tanks, same basis gal. 1.25 - —

Acid, cresylic, coaltar, imp., 75% at 215°C, or over, dms., c.i.f. gal. 1.45 - 1.55

petroleum, dom., 195° to 213°C, non-ret. dms., c.l., San Francisco and Los Angeles gal. .71 - —
l.c.l., same basis gal. .73 - .75
tanks, same basis gal. .58 - —

200° C to 222° C, tanks, Wilmington, Cal. gal. .58 - .63

211° C to 236° C, non-ret. dms., c.l., San Francisco and Los Angeles gal. .63 - —
l.c.l., same basis gal. .65 - .67
tanks, same basis gal. .50 - —

220° C to 242° C, tanks, Wilmington, Cal. gal. .50 - 53

245° C to 298° C, tanks, Wilmington, Cal. gal. .46 - —

Crotonic, fib dms. works lb 29 —

Cyanoacetic, tech. bbls lb 90 1.25

Desoxycholic, bots lb. 22.00 - 25.00

Dichlorophenoxyacetic, (see under "D" 2, 4-D)

Diethylbarbituric (see Barbital)

Diglycolic, bgs. works lb .14 —

Ethylhexoic, dms., c.l., works lb. .34 - —
l.c.l., works lb. .34½- —
tanks, works lb. .31½- —

F, crude, paste, bbls., works lb. 1.67 - —

Folic, bots., fib. cns., kilo or more, gram 2.00 - —

Formic, 85%, cbys., c.l., works lb. .14 - .17
l.c.l., works lb. .14½- .22
90%, cbys., c.l., works lb. .14½- .17½
l.c.l., works lb. .15 - .23½

Fumaric, tech., bbls., dms lb. .37 - .38

Gallic, NF VII bbls., 1,000-lb lots lb. 1.80 - —
smaller lots lb. 1.89 - —
technical, bbls., 1,000-lb. lots lb. 1.58 - —
smaller lots lb. 1.69 - —

Gamma dry ground bbls., frt. alld lb. 1.50 - —
paste, bbls., frt. alld lb. 1.45 - —

Gluconic, tech., 50%, bots lb. .25 - .33
dms. lb. .16 - —
kgs. lb. .18 - —

Glutamic, laevo, 99%, fib. dms., 100-lb lots, works lb. 2.45 - —
25-lb lots, works lb. 2.60 - —

Glycerophosphoric, 35%, dms., works lb. 2.25 2.35

Glycolic (see Acid, hydroxyacetic).

H, 100% basis, bbls., works lb. .80 - —

Hydriodic, 1.50 s.g., cbys lb. 2.67 - —
1.70 s.g., cbys lb. 2.98 - —

Hydrobromic, medicinal, 48%, cbys., dlvd. E lb. .37 - .43

Acid, hydrochloric (see Acid, muriatic).

Hydrocyanic, cyls., works lb. 1.10 - —
dilute, NF, 2% 5-lb bots lb. .37 - —

Hydrofluoric, anhyd., cyls., works, lb. .24 - .25
tanks, works lb. .18 - —
70%, steel dms., works lb. .1535- .1955

Hydrofluosilicic 30-35%, bbls., works lb. .07 - —

Hydroxyacetic, tech., 70%, bbls., non-return., Phila lb. 084 - —
tanks Belle W. Va., 100% basis lb 085 - —

Hypophosphorous, purif., 50%, cbys. lb 1.30 1.32

USP, cbys lb. 78 —

J, bbls. works 100% basis lb 2.50 2.65

Koch, bbls. frt alld lb .64 —

L, bbls. frt. alld lb 1.25 —

Lactic edible 50% bbls., 20 or more lb. .16 - .20
smaller lots lb. .16½- .21
80%, bbls., 5 bbls. or more lb. .29 - .3640
less than 5 bbls lb. .2950- .3690
plastic grade 50% bbls., 20 or more works lb. .21¾- —
1 to 19 lb. .22¼- .22¾
80%, bbls., 5 or more lb. .3865- —
tech., 22% bbls., c.l., works 100 lbs. 6.30 - —
l.c.l., works 100 lbs. 6.60 - —
cbys., works 100 lbs. 7.20 -12.20
44%, bbls., c.l., works 100 lbs. 10.95 -11.95
l.c.l., bbls., works 100 lbs. 11.35 -12.35
cbys., works 100 lbs. 11.95 -17.85
NF, 85% cbys lb. .85 - .88

Laurent's, bbls lb. .60 - .67

Lauric, 90-95%, dms lb. .32 - —
60%, dms lb. .29 - —

Linseed oil, reg., dist., dms lb. .2460- .25
water white, dms lb. .2760- .28

Maleic, anhydride (see M), powder, dms lb. .37 - .38

Malic, dms lb. .50 - —

Mandelic, NF, dms., 1,000-lb lots lb. 1.85 —
smaller lots lb. 1.90 2.10

Metanilic dms., works lb. .57 - —

Methacrylic, dms., c.l., and truckloads, works lb. 76 - —
less than truckload, works lb. 76½- .80

Molybdic, dms. 85%-92% works lb. .88 - —

Monochloroacetic purified flake, 99%, dms lb. .25½- .25¾
tech., flake, 95-97%, dms lb. .20 - .22

Muriatic, 18°, cbys., c.l., works 100 lbs. 2.45 - 2.80
l.c.l., works 100 lbs. 2.75 - 3.55
tanks, works ton. 29.00 -31.00
20°, cbys., c.l., works 100 lbs. 2.70 - 3.05
l.c.l., works 100 lbs. 3.00 - 3.30
tanks, works ton. 31.00 -35.00
22°, cbys., c.l., works 100 lbs. 3.30 - 3.40
l.c.l., works 100 lbs. 3.50 - 3.40
tanks, works ton. 36.00 -38.00
CP USP, consumers, cbys., extra c.l., works lb. .11¾- —
l.c.l., same basis lb. .13¼- .13¾
5 pint bottles extra, cs., c.l., same basis lb. .16¾- —
l.c.l., same basis lb. .18¼- .24¼

Acid, muriatic, CP, USP, prices to dealers 1½c. per lb. less.

Myristic, dms., l.c.l lb. .37 - —

Naphthenic 220-230 acidity, dms. works lb 14 - —
tanks, works lb .12 - —
230-240 acidity, dms., works lb 22 - —
tanks, works lb .19 - —

Naphthol(1)-4-sulphonic (see Acid Neville and Winther's)

Naphthol (1)-5-sulphonic (see Acid L)

Naphthol(1)-5-sulphonic,8-amino (see Acid S).

Naphthol(1)-3,6-disulphonic,8-amino (see Acid, H).

Naphthol(2)-6,8-disulphonic (see Acid, Gamma)

(2)-7-Sulphonic,2-amino (see Acid, J).

Naphtholsulphonic mixed (see Acid, Cleve's, mixed)

Naphthylamine(1)-5-sulphonic (see Acid, Laurent's)
(2)-6-sulphonic (see Acid, Broenner's)
(2)-7-sulphonic (see Acid, F).
(2)-1-sulphonic (see Acid, Tobias)

Neville and Winther's, dms., frt. alld lb. 1.05 - —

Nicotinic USP dms. frt adjusted kilo. 9.00 9.30

Nicotinicamide (see Nicotinamide).

Nitric 36° cbys. c.l. E. works 100 lbs. 5.00 - —
l.c.l., E. works 100 lbs. 5.30 -11.10
38° cbys. c.l., E. works 100 lbs. 5.50 - —
l.c.l., E. works 100 lbs. 5.80 -11.60
40° cbys. c.l., E. works 100 lbs. 6.00 - 6.50
l.c.l., E. works 100 lbs. 6.30 -12.10
42° cbys., c.l., E. works 100 lbs. 6.50 - 7.00
l.c.l., E. works 100 lbs. 6.80 -12.60
CP NF, consumers, cbys., extra c.l., works lb. .13½- —
l.c.l., same basis lb. .15 - .15½
5 pint bottles extra, cs., c.l., same basis lb. .17½- —
l.c.l., same basis lb. .19¼- —

Octoic (see Acid, ethylhexoic).

Oleic (see Oil red)

Oleum (see Acid sulphuric fuming)

Orthocresotinic dms. ton lots, works lb 62 - —
smaller lots works lb 64 - —

Oxalic, bbls., c.l., works lb 16¼- —
10,000 lbs., works lb 16½- —
smaller lots, works lb 17½- —

Palm oil white dist. dms lb 21¼ 21¾

Para-aminobenzoic, tech., dms lb. 1.74 - 1.77

USP, dms., 100 lbs. or more, works lb. 4.50 - 5.10
smaller lots, works lb. 4.85 - 5.30

Para-aminosalicylic, dms., 1,000-lb. lots or more, frt. adjusted lb. 5.50 - —
smaller lots, same basis lb. 5.55 - 6.00

Paramethylphenylcinchonic (see Neocinchophen)

Abbreviations

Used in OPD Market Quotations

ACS	American Chemical Society	distr.	distilled	neut.	neutral
		dist.	dextrorotatory	NF	National Formulary
		dextro.	distributor		
alld.	allowed	djus.	demijohns	nom.	nominal
ammo.	ammonia	dlvd.	delivered	No.	number
amorph.	amorphous	dms.	drums	ord.	ordinary
anhyd.	anhydrous	dom.	domestic	oz.	ounce
a.p.a.	available phosphoric acid	E.	east	Pac.	Pacific
		e.p.	end point	pf.	proof
artif.	artificial	equald.	equalized	phos.	phosphate
ASTM.	American Society for Testing Materials	F.	fahrenheit	photo.	photographic
		ferment.	fermentation	pkgs.	packages
		ffa.	free fatty acid	powd.	powdered
Be.	Baume	ffc.	free from chlorine	precip.	precipitated
bgs.	bags			prod.	producer
bbls.	barrels	fib.	fiber	pt.	point
bls.	bales	f.o.b.	free on board	pulv.	pulverized
bots.	bottles	F.P.A.	free of prussic acid	purif.	purified
b.p.	boiling point			redist.	redistilled
b.p.l.	bone phosphate of lime	frt.	freight	refd.	refined
b.r.	boiling range	fus.	fused	refy.	refinery
		gal.	gallon	reg.	regular
bxs.	boxes	gran.	granular	resub.	resublimed
C.	centigrade	grd.	ground	ret.	returnable
cbys.	carboys	i.&n.	iron and aluminum	SD.	specially denatured
CD	completely denatured	i.b.p.	initial boiling point	s.d.	single distilled
c.i.f.	cost, insurance, freight			S. E.	southeast
		imp.	imported	secs.	seconds
cks.	casks	incl.	included	s.g.	specific gravity
c.l.	car lots	indust.	industrial	ship't	shipment
cns.	cans	kgs.	kegs	solut.	solution
col.	color	lacq.	lacquer	s.u.	standard unit
com'l	commercial	lb.	pound	synth.	synthetic
conc.	concentrated	l.c.l.	less than car lots	tanks	railroad tankcars
CP	chemically pure	liq.	liquid	tech.	technical
cps.	centipoises	m.a.p.	mixed anilin point	USP.	U. S. Pharmacopoeia
cryst.	crystal	M c.f.	thousand cubic feet	vis.	viscosity
cs.	cases			VM&P.	varnish makers & painters
ctns.	cartons	min.	minimum		
cyls.	cylinders	m.p.	melting point	W.	west
dbl.	double	N.	nitrogen	w.w.	water white
denat.	denatured	nat.	natural	whse.	warehouse
dest.-dist.	destructive-distilled				

A unit-ton is 2,000 pounds of 1 percent of the basic constituent or other standard of the material. The percentage figure of the basic constituent multiplied by the price figure shown gives the price of 2,000 pounds of the material.

Acid, Paranitrobenzoic—Aldol

Acid, paranitrobenzoic, dms. lb. .77 - —
Paratoluidinmetasulphonic, bbls., works lb. .92 - 1.04
Perchloric 60% cbys., works lb. .58 - .62
70-72% cbys., works lb. .61 - .66
Phenylacetic, bots. lb. 1.45 - 1.75
dms., 1,000 lbs. lb. 1.45 - 1.75
Phenylcinchoninic (see Cinchophen).
Phenylglycollic (see Acid, mandelic). —
Phosphoric, food grade, 75%, cbys., c.l., works 100 lbs. 7.00 - —
l.c.l., works, frt. alld., 100 lbs. 7.50 - 8.00
tanks, works 100 lbs. 5.00 - —
NF, 85%, cbys., c.l., works lb. .08 - .08¼
l.c.l., works lb. .08½ - .09¼
Picramic, bgs lb. .65 - .70
Picric, NF, 300-lb. bbls lb. .55 - —
smaller lots, dms lb. .61 - .67
tech., bbls. lb. .32 - .33
Propionic, synthetic, pure, dms., works lb. .25½ - .26
tanks, works lb. .24 - —
Pyrogallic, NF, cryst., dms. lb. 3.25 - 3.30
tech., bbls lb. 2.76 - 2.81
Pyroligneous, dms., extra, l.c.l., works, South gal. .31 - —
whse., N. Y. C. gal. .50 - —
Ricinoleic (see Acid, castor oil, split).
S, bbls., works lb. 3.25 - —
Salicylic, crude, bgs. lb. .33 - .34
sublimed, tech., bbls., c.l. lb. .35 - —
l.c.l. lb. .42 - —
dyestuffs grade, bbls. lb. .36 - —
USP, cryst., bbls. lb. .44 - —
powder, bbls. lb. .49 - —
Sebacic, purified, dms., c.l., works lb. .90¾ - —
l.c.l., works lb. .92¼ - —
Soybean oil, double dist., dms. lb. .21½ - .22
single dist., dms. lb. .21 - .21½
Stearic, double pressed, bgs lb. .23¾ - .25
single-pressed, bgs. lb. .23¼ - .24½
triple-pressed, bgs. lb. .26 - .27¼
Succinic, purified, cryst., bbls., works lb. .63 - .75
Sulphanilic, tech., dms., c.s., frt. alld lb. .18 - —
l.c.l., frt. alld lb. .20 - —
Sulphuric 60° Be cbys. c.l., works 100 lbs. 1.75 - —
l.c.l., works 100 lbs. 2.05 - 2.85
tanks, works ton 16.30 - —
66° Be, cbys., c.l., works 100 lbs. 2.10 - —
l.c.l., works 100 lbs. 2.30 - 3.10
tanks, works ton 20.00 - —
98%, tanks, works ton 21.00 - —
CP, NF, consumers cbys., extra, c.l., works, frt. equald. lb. .09¾ - —
l.c.l., same basis lb. .11¼ - .11¾
5 pt. bottles extra cs., c.l., works, frt. equald lb. .13¼ - —
l.c.l., same basis lb. .14¼ - .20¾
fuming, 20% tanks, works ton 22.40 - —
Tallow, dist., dms. lb. .20 - .21¼
hydrated, dms. lb. .23 - .24
Tannic, tech., dms. lb. .90 - .92
NF, USP XIII, fluffy, bbls., 1,000-lb. lots lb. 1.59 - 1.60
smaller lots lb. 1.65 - —
powder, bbls., 1,000-lb. lots lb 1.60 - —
smaller lots lb. 1.58 - —
Tartaric, USP, dom., 230, 250-lb. dms., 10,000 lbs., 1 ship't. lb. .39½ - —
smaller lots lb. .40 - —
100-lb. dms lb. .41 - —
small dms lb. .43 - .45
imported, bgs lb. .58 - .61
Thioglycolic, refined, bbls., cbys. basis 100% lb. 1.60 - 1.85
Tobias, bbls., frt. alld lb. .74 - —
Toluenesulphonic, dms., c.l., works lb. .18½ - —
l.c.l., works lb. .20 - —
tanks, works lb. .17 - —
Trichloroacetic, bots. lb. 2.00 - 2.50
Trichlorophenoxyacetic (see under T-2,4,5-T)
Tungstic, tech., kgs., works lb. 4.30 - —
Undecylenic, dms. lb. 1.40 - —
Aconite leaves, bls. lb. .35 - .40
Root, bls. lb. .45 - .50
Aconitine, amorph., mild, bots. oz. 27.50 -32.50
cryst., potent, bots. oz. 78.00 -85.00
Acrolein, dms., works lb. .50 - —
Acrylonitrile, dms., c.l., works lb. .44½ - —
l.c.l., works lb. .45 - .47
tanks, works lb. .43 - —
Adeps lanae (See Lanolin)
Adonis vernalis herb, bls. lb. .22 - .24
Agar, USP, Kobe No. 1, strip, bls. lb. 1.25 - 1.50
powdered, 30 mesh., fib. dms lb. 1.60 - 1.85
Agaric, white, bls. lb. 2.25 Nom.
Agrimony herb, bls. lb. .25 - .30
Alanine, dextro-laevo, dms., works, lb. 8.50 -11.00
Albumen (egg) edible, flake, bbls. lb. 2.07 - 2.08
powd., bbls. lb. 2.11 - 2.13
tech., cryst., bbls. lb. No stocks.
Albumin, blood; dark (see Blood, dried, soluble).
light, dms., l.c.l. lb. .70 - .80
Egg (see Albumen).
Alcohol, allyl, dms., c.l., dlvd lb. .31¾ - —
l.c.l., dlvd lb. .32½ - —
tanks, dlvd. lb. .30 - —

Alcohol, amyl, ex fusel oil (see Fusel oil, ref.).
ex pentane, dms., c.l., frt. alld.
E. Miss. lb. .21 - —
l.c.l., frt. alld. E. of Miss. lb. .22 - —
tanks, frt. alld. E. of Miss. lb. .19 - —
fermentation refined, 126-132 C, dms., c.l., dlvd. lb. .33¾ - —
l.c.l., dlvd. lb. .34¾ - —
tanks, dlvd. lb. .32 - —
128-132°C. dms., l.c.l., dlvd. lb. .36½ - —
ACS grade, dms., l.c.l., dlvd. lb. .38½ - —
Benzyl, NF, dms. lb. .65 - .68
tech., dms., works, frt. equald. lb. .45 - .50
Butyl, fermentation, normal, dms., c.l., frt. alld. lb. .29¾ - .30¾
l.c.l., frt. alld. lb. .30¾ - .31¾
tanks, frt. alld. lb. .28 - .29
synthetic normal, dms., c.l., frt. alld. lb. .19¼ - —
l.c.l., frt. alld. lb. .20¼ - —
tanks, frt. alld. lb. .17½ - —
secondary, dms., c.l., frt. alld. lb. .12¾ - .14¾
l.c.l., dlvd., frt. alld. lb. .13½ - .15½
tanks, dlvd., frt. alld. lb. .11 - .13
tertiary, dms., c.l., frt. alld. lb. .12¾ - —
l.c.l., frt. alld lb. .14½ - —
tanks, frt. alld lb. .12 - —
Capryl, dms., c.l., works lb. .31½ - —
l.c.l., works lb. .32½ - —
tanks, works lb. .30 - —
Cetyl, NF, fib. ctns., 140 lbs. or more lb. .75 - .95
smaller lots lb. 1.00 - —
extra, 500 lbs. or more lb. 1.32 - —
smaller lots lb. 1.37 - —
Cinnamic, bots. lb. 2.75 - 3.20
Decyl, bots. lb. 1.70 - 2.00
Denatured, CD12, CD13, CD14, dms., c.l., dlvd. E. of Miss R. gal. 1.01½ - 1.03½
l.c.l., dlvd. E. of Miss. R. gal. 1.05½ - 1.12½
tanks, dlvd. E. of Miss. R. gal. .69½ - .91½
Tankcar sales require written authorization by Alcohol Tax Unit.
Proprietary solvent, dms., c.l., dlvd. E. of Miss. R. gal. .69½ - 1.03½
l.c.l., same basis gal. .73½ - 1.12½
tanks, same basis gal. .57½ - .91½
Tankcar sales require written authorization by Alcohol Tax Unit.
SD1, 190 pf., dms., c.l., dlvd. E. of Miss. R. gal. .69½ - 1.05½
l.c.l., same basis gal. .73½ - 1.14½
tanks, same basis gal. .57½ - .91½
SD2B, dms., c.l., E. of Miss. R. gal. .68 - 1.06
l.c.l., same basis gal. .72 - 1.15
tanks, same basis gal. .56 - .92
SD3A, dms., c.l., E. of Miss. R. gal. .68 - 1.03½
l.c.l., same basis gal. .72 - 1.12½
tanks, same basis gal. .56 - .89½
SD23A, dms., c.l., E. of Miss. R. gal. 1.00 - 1.05
l.c.l., same basis gal. 1.04 - 1.14
tanks, same basis gal. .88 - .91
SD23H, dms., c.l., E of Miss. R. gal. .70 - 1.05½
l.c.l., same basis gal. .74 - 1.14½
tanks, same basis gal. .58 - .91½
SD27A, dms., c.l. E of Miss. R. gal. 1.26 - 1.44
l.c.l., same basis gal. 1.35 - 1.53
tanks, same basis gal. 1.14 - 1.30
SD29, dms., c.l., E. of Miss. R. gal. 1.02 - 1.07
l.c.l., same basis gal. 1.06 - 1.16
tanks, same basis gal. .90 - .93
SD30, dms., c.l., E. of Miss. R. gal. .99 - 1.01
l.c.l., same basis gal. 1.03 - 1.10
tanks, same basis gal. .87 - .89
SD35A, dms., c.l., E. of Miss R. gal. .94 - 1.09
l.c.l., same basis gal. .98 - 1.18
tanks, same basis gal. .92 - .95
SD40, dms., c.l., E. of Miss. R. gal. .70 - 1.07
l.c.l., same basis gal. .74 - 1.16
tanks, same basis gal. .58 - .93
Diacetone, acetone free, dms., c.l., dlvd lb. .13¾ - —
l.c.l., dlvd lb. .14½ - —
tanks, dlvd lb. .12 - —
tech., dms., c.l., dlvd lb. .13¼ - —
l.c.l., dlvd lb. .14 - —
tanks, dlvd lb. .11½ - —
Ethyl, 190 pf, USP, tax paid, dms., c.l., dlvd. E. of Miss. R. gal. 18.11 -18.15½
l.c.l., same basis gal. 18.15 -18.24½
tanks, same basis gal. 17.99 -18.01½
tax free, dms., c.l., dlvd. E. of Miss. R. gal. 1.01 - 1.05½
l.c.l., same basis gal. 1.05 - 1.14½
tanks, same basis gal. .89 - .91½
absolute, 200 pf., tax paid, dms., c.l., same basis gal. 19.08 -19.12½
l.c.l., same basis gal. 19.12 -19.21½
tanks, same basis gal. 18.96 -18.98½
Ethylbutyl, dms., c.l., works lb. .29½ - —
l.c.l., works lb. .30 - —
tanks, works lb. .28 - —
Ethylhexyl, dms., c.l., dlvd lb. .29¼ - —
l.c.l., dlvd lb. .30¼ - —
tanks, dlvd lb. .27¾ - —
Furfuryl, tech., cns., works lb. .30 - —
dms., c.l., works lb. .21½ - —
l.c.l., works lb. .23 - —
tanks, works lb. .18 - —
Isoamyl (see Alcohol, amyl fermentation, refined)
Isobutyl, dms., c.l., dlvd lb. .19½ - —
l.c.l., works lb. .20½ - —
tanks, dlvd lb. .17½ - —
Iso-octyl, dms., c.l., works lb. .29¼ - —
l.c.l., works lb. .29¾ - —
tanks, works lb. .26¼ - —
Isopropyl, refd., 91%, dms., incl., c.l., dlvd gal. .54 - —
l.c.l., dlvd gal. .59 - —
tanks, dlvd gal. .42 - —
95%, dms. incl., c.l., dlvd gal. .55½ - —
l.c.l., dlvd gal. .60½ - —
tanks, dlvd gal. .43½ - —
99%, dms., incl., c.l., dlvd gal. .59 - —
l.c.l., dlvd gal. .64 - —
tanks, dlvd gal. .47 - —
Lauryl, bots. lb. 2.00 - —
Methyl (see Metnanol).
Methylamyl (see Carbinol, methyl-isobutyl).
Nonyl (see Trimethylhexonal).
Octyl, perfumer's grade, bots lb. 1.70 - 3.25
technical (see Octanol normal).
Pantothenyl (see Panthenol).
Phenylethyl, dms. lb. 1.65 - 2.15
Polyvinyl, various grades, bgs., ton lots, works lb. .76 - .81
smaller lots, works lb. .81 - .86
Propyl, normal, dms., c.l., dlvd. lb. .13 - —
l.c.l., dlvd lb. .14 - —
tanks, dlvd lb. .11 - —
Salicyl (see Saligenin).
Tetrahydrofurfuryl, cns. Waverly, N. Y lb. .47 - —
dms., Niagara Falls, N. Y lb. .40½ - —
l.c.l., Waverly, N. Y lb. .42½ - —
tanks, Niagara Falls, N. Y lb. .38 - —
industrial grade, dms., c.l., Niagara Falls, N. Y lb. .29 - —
l.c.l., Waverly, N. Y lb. .30½ - —
tanks, Niagara Falls, N. Y lb. .26½ - —
Aldol, 95%, dms., works lb. .20 - .21
denaturing grade, dms. gal 1.33 - 1.48

If we could label every ounce...

It Would Tell Only Part of the Story!

You can be sure that every ounce would be exactly like the last ounce, or gallon, or tank car, in purity and uniformity. Of equal importance to both large and small users of Butyl Alcohol is PUBLICKER AVAILABILITY. Our greatly enlarged facilities for Butyl Alcohol production now assure PROMPT SHIPMENT in any quantity.

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- ACETIC ACID
- ACETALDEHYDE
- BUTYL ACETATE
- ETHYL ACETATE
- ETHYL ALCOHOL

PUBLICKER INDUSTRIES INC.

ONE OF THE WORLD'S LARGEST PRODUCERS OF ALCOHOL AND SOLVENTS

1429 WALNUT ST., PHILA. 2, PA.

If you use drying oils in your processing . . .

New Improved Conjulin*

is offered for formulas

requiring oils that form quick

drying, water resistant, tack free films.

When NEW IMPROVED CONJULIN replaces Linseed Oil, bodied to a similar viscosity, in Ester Gum and Bakelite 254 Resin Varnishes, the drying time and water resistance are superior.

Due to the short supply of Chinawood Oil during World War II WOBURN developed Conjulin Slow Gel. This conjugated structure Linseed Oil met ready acceptance in the Paint Industry but because of price could not fit into every manufacturer's processing operation.

NEW IMPROVED CONJULIN dries more rapidly, has equal or better water resistance, becomes tack free more quickly and gives a harder varnish. *It is lower in price, too!*

In the face of the present shortages and restrictions on Chinawood Oil and Dehydrated Castor Oil, which are two of the commonly used Oils with a conjugated structure — NEW IMPROVED CONJULIN means an assured source of high quality Drying Oil for your processing.

For more information and samples of NEW IMPROVED CONJULIN write today.

SPECIFICATIONS

Acid Number	8 Maximum
Viscosity	Z-Z2
Sp. Gr. at 25°C	0.970-0.972
Gel Time at 600°F	30-40 Minutes at Z1-Z2 Body

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1200 Harrison Avenue
Kearny, New Jersey

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FATTY ACIDS, SPLIT AND DISTILLED
CASTOR • CHINAWOOD • COCOANUT • CONJULIN • COTTONSEED • DISTOLINE
HELIOLINE • ISOLINE • LAURIC • LINSEED • MARINE • PALM • SOYA • TALLOW
SYNTHETIC DRYING OILS, ESTERS AND PLASTICIZERS • ESTER GUMS AND ROSINS • PIGMENTS AND COLORS

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Aldrin—Amyl Acetate

Aldrin 60% solut. dms., c.l. works, frt. alld lb 1.06 - —
t.c.l., works, frt. alld ... lb. 1.20 - —
Aletris root, bgs ... lb. 1.50 - 1.75
Algin, bbls., fib. dms ... lb. .81 - 2.00
Alizarin (see also Purpurin)
Alkanet, root, bgs ... lb. .30 - .35
Allethrin, 100%, dms., works lb.55.00 - —
solution 20% dms., 100 lb. lots, works lb 9.00 - —
10% dms., works ... gal.37.75 - —
2% dms., works ... gal 7.75 - —
Allspice (malabar (see Pimento)
Mexican, bgs ... lb. .14¼- .14½
Allyl, bromide, cbys., works ... lb. 1.35 - 1.40
Chloride, dms., c.l., dlvd ... lb. .16¾- —
t.c.l. dlvd ... lb. .17½- —
tanks dlvd ... lb. 15 - —
Starch, solid, dms., works ... lb. .51 - —
solution 40%, dms., works lb. .25½- —
Aloe, Cape, cs ... lb. .35 - .38
powdered, cs ... lb. .48 - .49
Curacao, kgs ... lb. .35 - .50
Socotrine, kgs ... lb. .25 - .35
Aloin, USP, bbls., dms., kgs ... lb. 3.50 - 3.75
Alphanaphthol, bbls., frt. alld ... lb. .85 - —
Alphanaphthylamine, bbls. frt. alld. lb 45 - —
Alphanaphthylthiourea, 93-96% fib. dms., works, frt. alld lb 2.00 - 2.40
Alphanitronaphthalene, bbls., frt. alld lb. .41 - —
Alphapicoline, ret. dms., c.l., works, frt. equald lb. .38½- —
t.c.l., works, frt. equald ... lb. .40 - —
Alphapinene tanks, South, works gal. No prices.

Alphaterpineol, dms., t.c.l., dlvd E. lb .17 - —
Alphatocopherol, bots ... kilo.350.00 - —
Acetate, bots ... kilo.350.00 - —
Althea root, NF, peeled, bls ... lb. .24 - .40
Alum ammonium, gran., dms., works 100 lbs. 4.30 - 4.70
lump, dms., works ... 100 lbs. 4.55 - 4.95
powd., dms., works ... 100 lbs. 4.70 - 5.10
USP, burnt, dms ... lb. .20 - .21
hydrous, dms ... lb. .07¾- .08
Potassium, gran., dms., works 100 lbs. 4.55 - 4.95
lump, dms., works ... 100 lbs. 4.80 - 5.20
powd., dms., works ... 100 lbs. 4.95 - 5.35
USP, burnt, dms ... lb. .20 - .21
hydrous, dms ... lb. .07¾- .08
Potash-chrome, dms ... lb. .17 - —
Sodium, dms., c.l., works ... 100 lbs. 4.60 - —
t.c.l., works ... 100 lbs. 5.00 - —
Alumina, calcined, bgs. c.l., works lb. .03½- .03¾
crystalline (see Aluminum oxide)
Alumminum acetate, basic solut., 24%, bbls., t.c.l., works lb. .14 - —
Chloride, com'l, anhyd., dms., c.l., works ... lb. .15 - —
t.c.l., works ... lb. .15½- —
cryst., dms., c.l., works ... lb. .1030- —
t.c.l., works ... lb. .1070- —
solution, 32°, cbys., c.l., works. lb. .0369- —
t.c.l., works ... lb. .0435- .0960
tankcars, works ... 100 lbs. 2.80 —
NF, gran., dms., works ... lb. .29 - .31
Fluoride, tech. anhyd. bbls., c.l., works ... lb. .11½- —
t.c.l., works ... lb. .14½- —
Formate, basic solution, cbys ... lb. .09½- —
t.c.l., works ... lb. .10 —

Aluminum hydrate, heavy, bgs., c.l., frt. equald ... ton.60.00 - —
t.c.l., works ... ton.65.00 -85.00
light, bgs. dlvd ... lb. .17 - —
Hydroxide, gel. pharmaceutical, 14-15% Al_2O_3, fib dms., works ... lb. .24 - —
contract, works ... lb. .22 - —
9-9½% Al_2O_3, fib dms., works ... lb. .20 - —
contract, works ... lb. .19 - —
gel., dried, USP XIV, fib dms., works ... lb. .83 - —
contract works ... lb. .80 - —
powder tech (see Aluminum hydrate).
Laurate, precip., bbls ... lb. .44 - —
Metal, 99%+, ingots, 10,000 lbs. lb. .19 - —
pigs, 10,000 lbs ... lb. .18 - —
Naphthenate, liquid, 1.7%, dms., frt. alld lb. .28½- —
Oxide, amorphous (see Alumina, Calcined).
crystalline, flour, classified, 8-240 mesh, dms., frt alld lb. .14 - .15
kgs. ton, frt. alld lb. .12½ —
smaller lots frt alld. lb. .13 - .15
280-400 mesh dms., frt alld lb. .32 - .33
kgs. frt alld lb. .31 - —
500 mesh, dms., frt. alld. lb. .33 - .37
kgs. frt alld lb. .34 - —
600 mesh, dms. frt. alld. lb. .51 - .53
kgs. frt. allod ... lb .50 - —
Aluminum oxide flour prices W of Denver ¾c. per lb higher.
optical, floated, kgs., dlvd ... lb. .36 - .86
unclassified dms. frt. alld. lb. .16 - .17
kgs., frt. alld ... lb .15 - —

Aluminum paste, lining, extra-fine, dms. lb. .59½- —
standard, dms ... lb. .41 - —
Powder, lining, extra fine, dms. lb. .97½- —
standard dms ... lb. .68½- —
rubber comp., dms ... lb. .58½- —
unpolished, standard, dms ... lb. .54½- —
varnish standard dms ... lb. .59 - —
Aluminum powder and paste prices are f.o.b. shipping point. Add 1c. per lb. for 100-lb. drm., 1½c per lb for 50-lb drm., 3c. per lb. for 10-lb. can, and 5c. to 12c. per lb. for smaller containers. Deduct 1c. per lb. for single shipment of 400 to 1,499 lbs., 2c. for 1,500 to 4,999 lbs., 3c. for 5,000 to 29,999 lbs., and 4c. for 30,000 lbs. or more. Where destination is within the continental U. S., a deduction equivalent to the lowest available common carrier transportation rate will be made from seller's invoice on orders of 200 lbs. or over.

Resinate, precip., dms., frt. alld. lb. .26½- —
Stearate, dibasic, etns., c.l ... lb. .42 - .43
t.c.l. ... lb. .43 - —
monobasic, etns., c.l ... lb. .42 - .43
t.c.l. ... lb. .43 - —
tribasic, etns., c.l ... lb. .42 - .43
t.c.l. ... lb. .43 - —
Sulphate, com'l, bulk, c.l., works, 100 lbs. 1.65 - —
ground, bgs, works ... ton.33.00 - —
lump, bgs., works ... ton.36.00 - —
Iron-free ogs., c.l., works, frt. equald ... 100 lbs. 3.25 - —
t.c.l., works ... 100 lbs. 3.65 - 6.15
NF, gran., dms., works ... lb. .29 - .30
powd., dms., works ... lb. .36 - .37
Trihydrate heavy (see Aluminum hydrate).
Ambergris, gray, bots ... oz. 8.00 -10.00
Aminoazotoluene, bbls ... lb. .94 - 1.03
Aminoethylethanolamine, dms., c.l., works. lb. .47 - —
t.c.l., works ... lb. .47½- —
tanks, works ... lb. .45 - —
Aminomethylpropanol, cns., dms., works. lb. .60 - —
Aminophylline, USP, 100-lb dms. lb. 5.60 - 5.85
Aminopyrine USP bots. dms lb 6.00 6.15
Ammonia anhydrous tertilizer tanks, works ... ton.79.00 -80.00
pure, cyls., extra, tons 1 ... lb. .17 - .17¼
2 ... lb. .19 - .19¼
3 ... lb. .21 - .21¼
4 ... lb. .16 - .19¼
refrigeration, tanks, works ... ton.80.00 -82.50
Aqua (29.4% NH_3), dms., c.l., works 100 lbs. 3.10 - —
t.c.l., works 100 lbs. 3.50 - —
tanks, works, anhyd. basis ton.80.00 -86.00
Ammoniac gum (see Gum ammoniac).
Sal, gray, bgs. c.l., works, frt. equald 100 lbs. 6.25 - —
t.c.l., same basis 100 lbs. 6.65 -11.15
white, gran., bgs., c.l., works 100 lbs. 4.60 - —
t.c.l., works ... 100 lbs. 6.25 - —
Ammoniacal liquor tankcars, works, anhyd basis ton.75.00 -80.00
Ammonium acetate, purified, dms lb. .47 - —
benzoate, USP, dms., kgs., 4,000 lbs., frt. alld lb. .80 - —
smaller lots, frt alld lb. .81 - 1.08
Biborate, bbls., c.l., works ... ton.312.00 - —
ton lots, ex whse ... ton.375.00 - —
less ton lots, ex whse ... ton.390.00 - —
Bicarbonate, dms., c.l., works ... lb. .05½- —
t.c.l., works ... lb. .06 - —
imported, dms., t.c.l ... lb. .07¼- .08½
Bichromate, bbls., works ... lb. .33 - .38
Bifluoride dms., dlvd ... lb. .18¾- .19¼
Bromide, gran., NF, bbls ... lb. .38 - .39
dms. ... lb. .39 - .42
Powdered ammonium bromide 10c. per lb higher.
Carbonate, USP, lump, powd., dms. lb. .23 - .24
Chloride, tech., (see Ammoniac sal)
USP, gran., bbls., dms ... lb. .19 - —
Citrate, plastic, bbls ... lb. .75 - —
dms. ... lb. .80 - .85
Fluoride (see Bifluoride)
Hydroxide (see Ammonia aqua)
Hypophosphite, NF, dms ... lb. 2.40 - —
Iodide, NF, jars ... lb. 4.01 - 4.11
Linoleate, 80% dms., works ... lb. .50 - .55
Molybdate, chemical grade, bbls., kgs. lb. .85 - —
metal grade, kgs ... lb. .90 - —
tech. grade, bbls., kgs ... lb. .80 - —
Nitrate, fertilizer grade, Canadian eastern, 33.5% N, bgs., c.l., shipping point. ton.69.50 - —
western 33.5% N, bgs., del., f.o.b. cars, Los Angeles ... ton.76.55 - —
domestic, bgs., western works, ton.61.00 -63.00
with dolomite, 20.5% N, bgs., Hopewell, Va. ton.48.50 - —
Oleate, 75%, dms., works ... lb. .55 - .60
Oxalate, fine gran., dms ... lb. .25 - .31
Pentaborate, gran., bbls., c.l., works. ton.222.00 - —
ton lots, ex whse ... ton.285.50 - —
less ton lots, ex whse ... ton.290.00 - —
Ammonium pentaborate powder, $10 per ton higher.
Perchlorate, kgs., works ... lb. .50 - .75
Persulphate, kgs ... lb. .30 - .35
Phosphate, com'l, bgs., c.l., works. lb. .08¼- —
t.c.l., works ... lb. .08¾- —
dibasic, NF V, bbls., dms ... lb. .40 - —
tech., bgs., c.l., works ... lb. .08 - —
t.c.l., works ... lb. .08½- —
Salicylate, NF, dms., kgs ... lb. 1.34 - 1.35
Silicofluoride, dms., works ... lb. .13 - .14
Sulphamate, bbls, dms, works lb. .18 - .20
Sulphate, coke-oven, bulk, producing ovens ... ton.32.00 -45.00
converters', Gulf and Atlantic ports, ton. No prices.
Sulphide, liquid, 40-45%, dms., c.l., basis 100%, works ... lb. .10½- —
t.c.l., works ... lb. .15½- —
tanks, dlvd. or frt. alld. lb. .09 - —
Sulphocyanide, tech. (see Ammonium thiocyanate).
Thiocyanate tech., dms., c.l., works ... lb. .18 - .19
t.c.l., works ... lb. .19 - .30
Thioglycollate, com'l., cbys., 100% basis lb. 1.60 - —
highly purified, cbys., same basis ... lb. 1.70 - 1.96
Thiosulphate cryst., photo grade, fib. dms., frt. allod ... lb. .50 - .55
Amphetamine citrate, dextro, bots. lb.36.00 -40.00
dextro-laevo, dms ... lb. 6.50 - 7.00
Hydrochloride, dextro, dibasic, bots. ... lb.36.00 -40.00
monobasic, bots ... lb.36.00 - —
dextro-laevo, dms ... lb. 6.50 - 7.00
Phosphate, dibasic, dextro, bots lb.36.00 -40.00
dextro-laevo, dms ... lb. 6.50 - 7.00
monobasic, dms ... lb. 6.25 - —
Sulphate, dextro, dms ... lb.36.00 -40.00
dextro-laevo, dms ... lb. 6.50 - 7.00
Amyl acetate, ex fusel oil, tech., dms., c.l., dlvd ... lb. .29¾- .31¾
t.c.l., dlvd ... lb. .30¾- .32¾
tanks, dlvd ... lb. .28 - .30
High test amyl acetate, ex fusel oil, 1½c. per pound higher.
ex pentane, dms., c.l., frt. allod. E. of Miss. R ... lb. .21½- —
t.c.l., same basis ... lb. .22½- —
tanks, same basis ... lb. .19½- —

aldrin FOR IRAN... via magic carpet 1951

● ALDRIN's reputation for superior performance in control of many destructive pests of agriculture has taken it to the far corners of the earth. Latest and most dramatic of the long hauls which have become commonplace with ALDRIN was the recent answer to an SOS appeal from Iran for aid in combatting one of the worst locust plagues in its history. Thirteen tons of ALDRIN were rushed via air from Denver to Tehran. Never did magic carpet, legendary mode of transportation of Iran, carry a more precious cargo. At 2 ounces of ALDRIN to the acre, standard dosage for grasshopper control, the shipment will "take care" of grasshoppers on 125,000 acres. Thus, does one of the ancient lands of the Middle East join the New World in choosing ALDRIN to protect its crops from destruction by insect hordes.

● Write for further information about ALDRIN and DIELDRIN for greater insect kill at lower cost.

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Amyl alcohol (see Alcohol, amyl).
Butyrate dms.....lb. .95 - 1.30
Cinnamic aldehyde, dms.....lb. 1.95 - 2.65
Nitrite USP, bots.....lb. 1.75 - 1.83
Salicylate, cns., dms.....lb. .80 - .83
Anethol, NF cns., dms.....lb. 1.35 - 1.60
Angelica root, dom., bls.....lb. .55 - .70
imported, bls.....lb. .70 - .80
Angostura bark, bls.....lb. .43 - .45
Anilin oil, dms., c.l., works, frt. alld.
lb. .18 - .19
l.c.l., works, frt. alld.....lb. .19 - .20
tanks, works, frt. alld.....lb. .17 - .18
Salt, dms., frt. alld.....lb. .30 - —
Anise, Chinese, star, bgs.....lb. .35 - .36
Cyprus, bgs.....lb. .20 Nom.
Czech, bgs.....lb. .16 - .16½
Mexican, bgs.....lb. .17 - .17½
Spanish, bgs.....lb. .18 - .18½
Turkish, bgs.....lb. .17 - .17½
Anisic aldehyde, bots., dms.....lb. 2.50 - 2.85
Annatto powder, dms.....lb. .24 - .25
Seed, bgs.....lb. .19 - .21
Anthracene, 80-85%, bbls., works.lb. 1.10 - —
90%, bbls., works.....lb. 1.25 - —
Anthraquinone, 99.5%, bbls., frt. alld.lb. .85 - .88
Antimony butter (see Antimony trichloride)
Metal, bulk, c.l., mines.....lb. .42 - —
cases, c.l., mines.....lb. .42½ - —
Oxide, bgs., c.l., frt. alld...lb. .34 - .45
l.c.l., frt. alld.....lb. .35 - .46
c.l., works, Idaho.....lb. .45 - —
l.c.l., same basis.....lb. .46 - —
Sulphide, 62-64%, bgs., frt. alld., dlvd..lb. .42 - .42½
Trichloride, pails, works.....lb. .50 - .52
solution, cbys.....lb. .29 - .30
Antimony-potassium tartrate (see Tartar emetic).
Antipyrene, NF, dms.....lb. 2.50 - 2.60
Apomorphine hydrochloride, USP, bots..lb.23.40 -23.63
Areca nuts, powd., bbls.....lb. .13 - .16
Arecoline hydrobromide, NF, bots. oz. 5.00 - 5.75
Arginine hydrochlorjde, laevo, dms. kilo.90.00 -100.00
Argols, min. 80%, bgs., shipment ports, per 100 kilos (100% purity) 35.00 - —
Arnica flowers, bls.....lb. .45 - .50
root, bls.....lb. 1.45 - —
Arrowroot, powd., bgs.....lb. .11 - .14
Arsenic, metal, lump, bbls., prompt shipt lb. .80 - .90
Trioxide, USP, dms.....lb. .40 - —
White, powd., bbls., c.l., dlvd..lb. .06½ - —
l.c.l., dlvd.....lb. .07½ - .08½
Asafetida, cs.....lb. .30 - .35
powd., bbls., dms.....lb. .50 - .53
Asbestine (see Talc, fibrous, N. Y.).
Asbestos, Canadian, crude, No. 1, c.l., (20 tons), mines...ton.1,137.00
No. 2, c.l. (20 tons), mines ton.387.00 - —
Run-of-mine, c.l., (20 tons), mines ton.434.00 - —
fiber, 3K, c.l. (20 tons), mines...ton.379.00 - —
3R, c.l. (20 tons), mines...ton.323.00 - —
3T, c.l. (20 tons), mines...ton.302.00 - —
3Z, c.l., (20 tons), mines...ton.279.50 - —
4R, c.l. (20 tons), mines...ton.150.50 - —
4M, c.l. (20 tons), mines...ton.150.00 - —
4T, c.l. (20 tons), mines...ton.135.00 - —
4Z, c.l., (20 tons), mines...ton.135.00 - —
5D, c.l., (20 tons), mines...ton.106.50 - —
5K, c.l. (20 tons), mines...ton.106.50 - —
5M, c.l. (20 tons), mines...ton.101.50 - —
5R, c.l. (20 tons), mines...ton.91.60 - —
6D, c.l. (30 tons), mines...ton.71.40 - —
7D, c.l. (30 tons), mines...ton.63.00 - —
7F, c.l. (30 tons), mines...ton.59.50 - —
7H, c.l. (30 tons), mines...ton.50.50 - —
7K, c.l. (30 tons), mines...ton.42.50 - —
7M, c.l. (30 tons), mines...ton.37.00 - —
7R, c.l. (30 tons), mines...ton.36.00 - —
7T, c.l. (30 tons), mines...ton.34.00 - —
7RF, c.l. (30 tons), mines...ton.37.00 - —
7TF, c.l. (30 tons), mines...ton.37.00 - —
8S, c.l. (30 tons), mines...ton.24.50 - —

Prices quoted above are in U. S. funds. Add $4 per ton for l.c.l. lots.

Asphalt, gilsonite, black, seconds, 300°-390°F. fusing point not uniform, bgs., c.l., Colo. shipt. pt. ton.34.00 - —
select, 350°F. fusing point, bgs., c.l., same basis ton.38.00 - —
270°-295°F. fusing point, bgs., c.l., same basis ton.37.00 - —
jet, bgs., c.l., same basis ton.34.00 - —
Manjak, No. 10, crude, dms., works lb. .06½ - —
Petroleum, cut-back, tanks, tankwagon, refinery..gal. .09 - —
emulsion, tanks, tankwagon, refinery gal. .09½ - .10
steam-refd., less than 80 penetration, tanks, tankwagon, refinery..ton.22.00 - —
80-300 penetration, tanks, tankwagon, refinery..ton.21.00 - —
Atropine, USP, bots.....oz. 9.35 -10.75
Sulphate, USP, bots.....lb. 5.75 - 6.00

B

Bacitracin, wholesalers, unlabeled, topical, 2,000 units vial. .42 - —
10,000 units.....vial. .80 - —
50,000 units.....vial 2.88 - —
Balm of Gilead buds, dried, bgs lb. 1.35 - 1.45
Barbasco root (see Cube root).
Barberry, root bark, bgs.....lb. .40 - .45
tree bark, bgs.....lb. .40 - .45
Barbital, USP, 100-lb. dms.....lb. 5.00 - —
Sodium, USP dms.....lb. 5.25 - 5.27
Barium carbonate precip., bgs., 10 tons and up, works ton.82.50 -87.50
smaller lots, works.....ton.92.50 -97.50
Chlorate, kgs., works.....lb. .30 - .35
Chloride, NF cryst., dms.....lb. .19 - .21
anhy., bgs., c.l., works..100 lbs. 7.80 - —
l.c.l., works.....100 lbs. 8.30 -10.30
Chromate, bgs. frt. equald...lb. .31½ - .32
Dioxide, dms., works.....lb. .15 - —
Hydrate, crystals, bgs.....lb. .09 - .09½
Hydroxide, anhyd., bbls.,works lb. .19 - —
Iodide, bots.....lb. 6.14 - —
Monoxide (see Oxide)
Nitrate, bbls., c.l., works.....lb. .15¼ - —
l.c.l., works.....lb. .16¾ - —
Oxide, grd., dms., c.l., works..lb. .12 - —
l.c.l., works.....lb. .12½ - —
Peroxide (see Dioxide).
Stearate, cns., c.l.....lb. .46 - —
smaller lots.....lb. .48 - —
Sulphate tech. (see Barytes and Blanc fixe).
X-ray, bbls.....lb. .14 - —
Sulphide, dms., c.l., works ton 85.00 - —
l.c.l., works ton 70.00 - —
Barium-potassium chromate, dms., l.c.l., works lb. .30 - —
Barium tech., bgs., c.l., works, frt equald ton 90.00 - —
l.c.l., works, ton 100.00 - —
Baryte ore, approx. 94% BaSO, bulk mines ton 9.40 -12.50
Barytes, Southern off-color, bgs., mines ton 19.00 - —
95-98% bgs., mines ton 20.00 - —
water-grd., paper bgs., c.l., St. Louis ton 37.60 -37.85
ex whse., N. Y.....ton 53.45 -61.75
Bauxite, bulk, mines.....ton. 9.50 -10.00
Bay leaves (see Laurel leaves).

Belladonna leaf, bls.....lb. .58 - .60
root, bls.....lb. .45 - .50
Bentonite, 200 mesh bgs., works.ton.12.00 - —
Benzaldehyde, NF, dms.....lb. .73 - .78
tech., cbys., dms.....lb. .50 - .55
Benzal chloride, cbys., works.....lb. .22 - .23½
Benzene (see Benzol).
Hexachloride, 99% gamma isomer (see Lindane).
tech., bgs., dms., c.l., works, gamma unit lb. .02 - .0225
l.c.l., works, unit.....lb. .0210 - .0225
gamma, 50% dust, dry, distributors, dms., c.l., dlvd., gamma unit..lb. .02¾ - —
l.c.l., works, unit lb. .0295 - —
wet, distributors, dms., c.l., dlvd., gamma unit lb. .0323 - —
l.c.l., dlvd., gamma unit lb. .0335 - —
Benzidine base, bbls.....lb. 1.02 - —
Benzocaine, dms.....lb. 3.50 - 3.77
Benzol, pure, nitration, tanks, works, Bethlehem, Pa.....gal. .37 - —
Birmingham district...gal. .30 - .35
Chicago district.....gal. .30 - .35
Cleveland district....gal. .30 - .35
Geneva, Utah.....gal. .30 - —
Johnstown, Pa.....gal. .35 - —
Lackawanna, N. Y....gal. .37 - —
Lone Star, Texas.....gal. .37 - —
Lorain, Ohio.....gal. .30 - —
Minaqua, Colo.....gal. .35 - —
Philadelphia, Pa.....gal. .37 - —
Pittsburgh district....gal. .30 - .35
Sparrows Point, Md..gal. .37 - —
Syracuse N. Y.....gal. .37 - —
Terre Haute, Ind....gal. .35 - —
Wyandotte, Mich.....gal. .37 - —
Youngstown, Ohio....gal. .35 - —

Benzophenone, dms.....lb. 1.45 - 1.70
Benzotrichloride, cbys., frt. equald, lb. .18 - .20
Benzoyl chloride cbys, dms., c.l., works, frt. equald lb. .20½ - .23½
l.c.l., same basis.....lb. .21½ - .24½
Peroxide, pure, fib. ctns., works, lb. .90 1.05
Benzyl acetate, f.f.c., cns., dms. lb. .65 - 1.05
Alcohol (see Alcohol, benzyl).
Benzoate, USP, f.f.c., cns., dms lb. .80 - —
Chloride, tech., cbys., c.l., works, frt. equald..lb. .21 - —
l.c.l., same basis.....lb. .22 - —
High grade benzyl chloride, 2c. higher.
Cinnamate, cns.....lb 3.00 4.00
Formate, cns.....lb. 1.60 2.10
Propionate, bots.....lb. 1.35 - 1.80
Salicylate, bots.....lb. 1.65 - 1.85
Benzylidinacetone, bots.....lb 1.80 2.45
Benzylisoeugenol, bots.....lb. 9.00 -10.50
Berberine, bisulphate, cns.....lb.35.00 -36.25
Hydrochloride, bots.....lb.35.00 -36.25
Sulphate, cns.....lb.35.00 -36.25
Berberis root, bls.....lb. .30 - .35
Betagammapicoline, 5°, dms., c.l., works lb. .29½ - —
l.c.l., works.....lb. .30 - —
Betamethylnaphthalene, 32°C. m.p., dms. works lb. .90 - —
Betanaphthol, resublimed, dms., works lb. .70½ - —
tech., bbls., c.l. works.....lb. .32 - —
l.c.l., works.....lb. .34 - —
Benzoate, fib. dms., works.....lb. 3.00 - —
Custom contract.....lb. 1.65 - 1.85
Salicylate, dms.....lb. 5.00 - —
Betanaphthylamine, tech., bbls., works lb. 1.10 - —

Betaphenylethylamine, dms., works, 1,000-lb lots lb 1.25 - —
smaller lots.....lb. 1.30 - 1.60
Betapicoline, 98%, dms., works..lb. .95 - —
Beth root, bls.....lb 45 - .50
Biotin, cryst.....gram.10.00 - —
Bismuth chloride, jars.....lb 5.11 - —
Hydroxide, dms.....lb 4.65 - —
Metal, bxs. ton lots.....lb 2.25 - —
Nitrate cryst, dms.....lb 2.17 - —
Oxide, anhydrous, dms.....lb 4.47 4.85
Oxychloride, dms.....lb 4.32 4.37
Phenolsulphonate, fib. dms..lb 5.22 - —
Subcarbonate, USP dms....lb 3.20 - —
Subgallate NF fib. dms....lb 3.15 - —
Subiodide, fib. dms.....lb 5.37 - —
Subnitrate, NF dms.....lb 2.65 - —
Subsalicylate USP dms.....lb. 3.50 - —
Bismuth-ammonium citrate, USP, powd., jars lb. 4.22 - —
Bordeaux mixture, ngs. c.l. works, frt alld or nearest whse. point lb. .15 .21
l.c.l., same basis.....lb .16 .23
Borneol, cns.....lb 2.25 2.50
Bornyl thiocyannoacetate (see Isobornyl thiocyanoacetate)
Black, acetylene, bgs., c.l., works lb. .15 - —
cs., l.c.l., shipt point.....lb. .19 - .21
Bone, bgs., bbls., l.c.l., dlvd...lb. .14¾ - 22¾
Carload price ½c per lb less. Deliveries to the Pacific Coast ex dock or whse. 1½c per lb higher
Carbon, channel, beads, bulk, c.l., works..lb. .07 - —
bgs. c.l., works.....lb. .0740 - —
l.c.l., dlvd or whse lb. .1225 - —
uncompressed, regular, bgs., c.l., works lb. .10 - —
bgs. ctns., l.c.l., dlvd or whse lb. .16 - —

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Specify
GENERAL'S
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IN MANUFACTURING DYES
For Standardizing Dyes
MANUFACTURING SYNTHETIC DETERGENTS
HIGH PURITY—Due to rigid manufacturing quality controls, General's Anhydrous Glauber's Salt consistently assays 99.9% Na2SO4.
GOOD SOLUBILITY—Goes into solution readily and is practically free from undesirable impurities.
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Black, Carbon, Furnace—Calcium Arsenate

Black, carbon, furnace, fast extruding, bgs., c.l., works..lb. .06 - .065
ctns. l.c.l. whse lb. .10 .105
high abrasion, bulk, c.l., works..lb. .0750- .08
bgs., c.l., works lb. .0790- .0840
l.c.l., dlvd or whse lb. .1250- .13
high modulus, bgs., c.l., works, lb. .0550- —
ctns. l.c.l. whse lb. .0950- —
semi reinforcing, bgs., c.l., works lb. .04 - —
ctns. l.c.l. whse lb. .08 - —
Charcoal (see C).
Graphite (see G)
Iron oxide synthetic, bgs., c.l., works lb. .11 - —
l.c.l. works lb. .11¼- —
Lamp, bgs., c.l., works..lb. .16 - .45
Mineral, bgs., works..lb. .0160- .0675
Black ash (see Barium sulphide)
Blackberry bark of root, bls..... lb. .25 - .30
root, bls lb. .12 - .15
Black dyes (see Dyes).
Black haw root bark, bls..... lb. .65 .75
tree bark, bls..... lb. .30 - .35
Black Indian hemp root, bls .... lb. .50 - .58
Blanc fixe, dry, by-product, bgs., c.l., works ton.95.00 - —
l.c.l., works ton.105.00 - —
direct process, bgs., c.l., works ton.90.00 - —
l.c.l. works ton.120.00 —
N. Y. whse.....ton.120.00 -140.00
bbls., c.l., works.....ton.95.00 —
l.c.l., works .....ton.120.00 -140.00
N. Y. whse.....ton.120.00 -140.00
pulp, 66⅔% bbls. c.l., works, ton.75.00 - —
l.c.l., same basis.....ton.83.00 - —

Bleaching powder, dms., c.l., works, 100 lbs. 6.00 - —
l.c.l., works.....100 lbs. 7.50 - —
Blood, dried, 16-16½% ammo., bgs. unit-ton. 7.75 - —
high-grade, unground, 16-17% ammon., bulk, Chicago unit-ton. 7.25 - —
soluble, bgs., c.l.....lb. .17 - .19
l.c.l. .....lb. .18 - .25
Bloodroot, bls.....lb. .65 - .70
Blue, alkali, dry, bbls., dlvd. N. of Tenn. and N.C., E. of Miss. R. including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. 2.00 - —
Toner, bbls. litho flushed, same basis..lb. 1.10 - —
Chinese, bbls., same basis.....lb. .48 - —
Cobalt, genuine, bbls., same basis lb. 4.90 - —
imitation (see Blue ultramarine).
Copper-phthalocyanine, full strength, bbls., same basis lb. 3.85 - —
resinated, bbls., same basis..lb. 3.40 - —
water dispersable lb. 1.54 - —
Iron (see Blue, Chinese, Milori, Potash, Prussian and Soda)
Methyl violet toner, molybdated, PMA bbls., same basis..lb. 2.00 - —
tungstate, PTMA bbls., same basis lb. 3.85 - —
Milori, bbls., same basis.....lb. .48 - —
Peacock, fugitive, 100% color strength, bbls., same basis, lb. .75 - —
Potash, CP, bbls., same basis..lb. .56 - —
Prussian, bbls., same basis... lb. .48 - —
soluble, bbls., same basis....lb. .48 - —
Soda, C.P., bronze, bbls., same basis..lb. .48 - —

Blue, ultramarine, cobalt type, dry or pulp, bbls., same basis lb. .27 - .31½
regular types, dry, bbls., same basis..lb. .23 - .31½
Victoria toner, molybdic PMA bbls..lb. 3.90 - —
Tungstic PTMA bbls .....lb. 5.00 - —
Blue dry colors, dlvd. prices ½c. higher Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher, Pac. Coast, Denver, Pueblo, Salt Lake City, Wichita frt. equalized with Chicago.
Blue dyes are listed under Dyes.
Blueflag, root, bls..... lb. .50 - .55
Bluestone (see Copper sulphate).
Blue vitriol (see Copper sulphate).
Boldo leaves, bls..... lb. .06 - .10
Bone, raw, bulk, Atlantic ports..ton.60.00 - —
Meal, raw, 4½% ammon., 50% phos., bgs., E. works..ton.65.00 -67.50
Chicago, works.....lb.65.00 -67.50
Phosphate, defluorinated (see D), precipitated (see Calcium phosphate tribasic precip).
Boneset leaves and tops, bls.....lb. .18 - .20
Borage flowers bls .. lb. .40 - .45
Borax, tech., anhydrous, bgs., c.l., works ton.74.50 - —
ton lots, ex whse. N. Y. or Chi ton.120.25 - —
less ton lots, same basis. ton.125.25 - —
bulk, c.l., works ton.67.50 - —
crystals, 99½%, bgs., c.l., works, ton.63.75 - —
ton lots, ex whse. N. Y. or Chi ton.109.50 - —
less ton lots, same basis. ton.114.50 - —

Borax, tech., cryst., 99½%, bbls., c.l., works.....ton.88.25 - —
ton lots, ex whse. N. Y. or Chi ton.134.00 - —
less ton lots, same basis. ton.139.00 - —
bulk, c.l., works.....ton.59.25 - —
granular, 99½%, bgs., c.l., works ton.37.75 - —
ton lots, ex whse. N. Y. or Chi ton.83.50 - —
less ton lots, same basis ton.88.50 - —
bbls., c.l., works.....ton.62.25 - —
ton lots, ex whse. N. Y. or Chi ton.108.00 - —
less ton lots, same basis. ton.113.00 - —
bulk, c.l., works.....ton.33.25 - —
powder, bgs., c.l., works..ton.42.75 - —
ton lots, ex whse. N. Y. or Chi ton.88.50 - —
less ton lots, same basis. ton.93.50 - —
bbls., c.l., works .....ton.67.25 - —
ton lots, ex whse. N. Y. or Chi ton.113.50 - —
less ton lots, same basis. ton.118.00 - —
bulk, c.l., works.....ton.38.25 - —
Borax packed in kgs. is $45.50 per ton higher than borax packed in paper bgs. USP borax $15 per ton higher than tech.
Brazilwood extract (see Hypernic).
Brimstone (see Sulphur).
Brucine, cns., 100 ozs. ..... oz. .35 - —
Sulphate, NF, cns., 100 ozs.. oz. .27 - .30
Bromine, purified cs., c.l., frt. alld. E. of Rockies lb. .25 - —
1,000 lbs., same basis..... lb. .27 - —
dms., lead-lined, dlvd ..... lb. .25 - —
Bromoform, pharmaceutical grade, bots lb. 1.62 - 2.60
cbys. ..... lb. 1.52 - —
Bromstyrol, bots..... lb. 5.40 - 5.70
Bronze powder, aluminum (see A)
Gold, litho., cns., dms., works, lb. .75 - .85
moulding, cns., dms., works, lb. .85 - 1.00
printing ink, cns., dms., works lb. 1.05 - 1.25
radiator, cns., dms., works, lb. .80 - .85
Broomtop, bls. ..... lb. .30 - .35
Brown iron oxide, synth. bgs., l.c.l., works lb. .12 - .13
Oxide, metallic, bgs., works..lb. .0375- —
Sap, crystals, bgs., works.....lb. .12 - —
powdered, bgs.....lb. .13 - —
Sienna, burnt, paper bgs., c.l., works lb. .04¼- .15¼
l.c.l., works..... lb. .04½- .15½
raw, paper bgs., c.l., works lb. .04½- .13
l.c.l., works..... lb. .04¾- .13¼
Umber, burnt, American, bgs., c.l., works. lb. .06 - —
l.c.l., works.....lb. .06¼- —
Turkey type, bgs., c.l., Boston, Bethlehem, Easton, Pa., Hiwassee, Va., N. Y..lb. .06¼- —
l.c.l., works.....lb. .06½- —
raw, American, bgs., same basis. lb. .06¼- .06⅛
Turkey type, bgs., same basis. lb. .06½- .06¼
Vandyke, bbls., works.....lb. .11 - —
Bryonia root, bls.....lb. .25 - .30
Buchu leaves, bls.....lb. .37 - .40
Buckthorn bark, bls.....lb. .15 - .17
cut and sifted bls.....lb. .19 - .23
Berries, bgs .....lb. .80 - .90
Burdock, root, bls.....lb. .22 - .26
Butadiene, cyls, refinery.....lb. .22 - —
tanks, same basis.....lb. .11½- .12¼
Butane, indust., tanks, group 3 gal. .05 - —
Butternut bark, bls ..... lb. .25 - .30
Butyl acetate, fermentation, normal, dms., c.l., frt. alld. E..lb. .29¾- .30¾
l.c.l., same basis.....lb. .30¾- .31¾
tanks, same basis.....lb. .28 - .29
synthetic, normal, dms., c.l., same basis..lb. .19¼- —
l.c.l., same basis.....lb. .20¼- —
tanks, same basis.....lb. .17½- —
secondary, dms., c.l., same basis..lb. .15¾- —
l.c.l., same basis.....lb. .16½- —
tanks, same basis.....lb. .14 - —
Alcohol (see Alcohol butyl)
Aldehyde, dms., c.l., works...lb. .21¾- —
l.c.l., works .....lb. .22¾- —
tanks, works.....lb. .20 - —
Chloride, dms., c.l., works.....lb. .43½- —
l.c.l., works.....lb. .44 - —
Ether (see Ether, butyl).
Lactate, dms., c.l., frt. alld. E. of Rockies..lb. .49¾- —
l.c.l., same basis.....lb. .50¾- —
tanks, same basis.....lb. .48 - —
Laurate, dms., works..... lb. .42 - —
Methacrylate, normal, dms., less than truckload, works. lb. .60 - —
Oleate, refd. dms. l.c.l. works lb. .52 - —
Phenylacetate, dms..... lb. 4.50 - 4.60
Phthalate (see Dibutyl phthalate).
Stearate, dms. c.l. frt. alld E. of Rockies..lb. .37 - .42
l.c.l., same basis.....lb. .38 - .43
Butylamine, dms., c.l., frt. alld...lb. .54¾- —
l.c.l., same basis.....lb. .55¾- —
tanks, same basis.....lb. .53 - —
Butyric ether (see Ethyl butyrate).

C

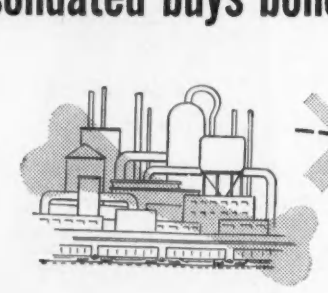
Cacao butter (see Cocoa butter).
Cadmium iodide, fars ..... lb. 5.00 - 5.22
Metal, ingots or sticks, cs., dlvd. lb. 2.55 - —
Stearate, 50-lb. ctns., l.c.l., f.o.b. N.Y., frt. equald lb. 1.25 - —
Caffeine, natural, USP, cryst., dms., 100 lbs. or more..lb. 5.25 - —
anhydrous, dms.....lb. 5.50 - 5.75
synthetic, USP, cryst., dms., 100 lbs. or more lb. 3.80 - —
anhydrous, dms., 100 lbs. or more..lb. 4.00 - —
Citrated, USP, dms., 100 lbs. or more lb. 2.60 - —
Hydrobromide, bots.....lb. 6.70 Nom.
Calamine, USP, dms.....lb. .34 - —
Calamus root, dom., natural, bgs lb. .30 - .32
imported bleached, bls.....lb. 70 Nom.
stripped, bls.....lb. .40 - .45
Calciferol cryst., vials, 250 grams or more, works gram. 1.90 - —
25 to 249 grams, works gram. 2.10 - —
1 to 24 grams, works gram. 2.30 - —
in edible oil, dms., 10,000 or more standard units (1 standard unit equals 1,000,000 USP units), works unit. .04¾- —
1,000 to 10,000 standard units, works unit. .05¼- —
less than 1,000 standard units, works unit. .05¾- —
Calcium acetate, bgs., dlvd..100 lbs. 3.00 - 4.00
Arsenate, dealers, dms. c.l., whse., works, frt. alld. on 96 lbs. or over..lb. .11 - —
l.c.l., same basis.....lb. .12 - .13

It takes a world of bones to keep living standards high

around the world

around the clock

Consolidated buys bones



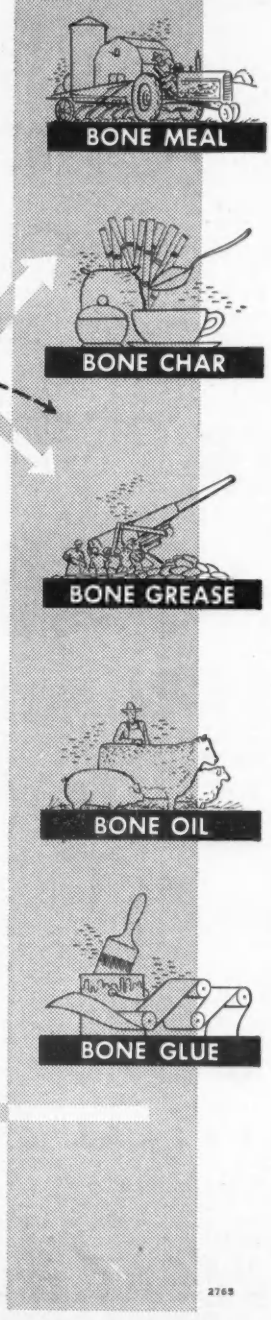
From prime steaks to essential clothing, the chemistry of modern living depends upon bones . . . tons upon tons, from all parts of the globe.

Consolidated Chemical Industries, the nation's largest processor, buys bones from India, Morroco, South America, Mexico and Canada . . . so that American industry can supply the world with better products.

If you have bones to sell—write us. We are always in the market and welcome all offerings.

CONSOLIDATED CHEMICAL INDUSTRIES INC.

640 Mellie Esperson Bldg., Houston 2, Texas.
111 Sutter Street, San Francisco 4, Calif.



Fertilizer Grade Bone Meal, rich in essential minerals for the fields of vegetables and grain, supplies the soil with needed phosphoric acid.

Feeding Grade Bone Meal, a necessary mineral supplement to poultry and livestock food, supplies digestible tri-calcium phosphate for healthy animal development.

Bone Char, particularly effective form of activated carbon used in the sugar refining process, decolorizes and filters sugar and corn syrup. It's also used for water filteration, copper molding, as pigment for engraving processes, for refining of waxes . . . and many other important things which provide better living.

Bone Grease is used as a raw material in the production of stearic acid, oleic acid and glycerine. These vital war materials are in great demand.

Bone Oil is used as an inhibitor in certain chemical processes and for pest control in the livestock industry.

Bone Glue is an essential binder for modern paper, an ingredient of paint. It holds furniture together, is used in matches, playing cards and even bottle caps.

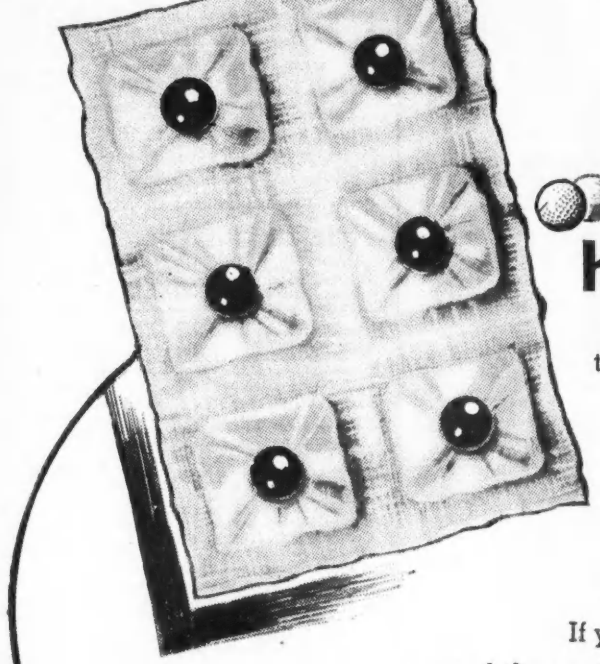
From Consolidated Chemical Industries' constant import of tons and tons of bones come these aids to better living by progressive modern chemistry.

2769

SALES OFFICES: SAN FRANCISCO • HOUSTON • NEW YORK

PLANT LOCATIONS: San Francisco, Calif.; Woburn, Mass.; Little Rock, Ark.; Bastrop, La.; Baton Rouge, La.; Fort Worth, Texas; Houston, Texas; Buenos Aires, Argentina

Some thoughts on GOLF *and Pharmaceutical Manufacture*



How much good golf and good pharmaceutical manufacture are alike!

I remember a lot of years ago when I was first taking some lessons in golf, the "pro" kept insisting that good control of the club made for good follow-through. . . . Of late years I've remembered that more than once.

Here, at Strong Cobb, when it comes to control we've always kept our eye on the ball . . . an average of 23 different holes for each product as it goes over the course. And then one day we realized we were stopping just short of the last hole . . . the plastic package! If you don't control the package, you don't thoroughly control the product, and then you're in the rough!

So we started the Seal-Crimp operation. And that involved more control because Strong Cobb doesn't just make seal-crimp packages . . . it runs a number of controls on them too! Controls for packaging materials specifications, simulated climatic conditions, seal control, tablet erosion, and so on. And that's like good golf—good control from laboratory to finished Seal-Crimp package . . . to the last flag on the course. . . .

Yours for better control in golf, pharmaceutical manufacture, and Seal-Crimp packaging.

PRESIDENT

PHARMACEUTICALS SINCE 1833

Strong Cobb & Co. Inc.

2654 LISBON ROAD, CLEVELAND 4, OHIO

Originators and Developers of the
AMPIN®
for Automatic, Subcutaneous and Intramuscular Injection

Calcium Bromide—Charcoal, Pinewood

Calcium bromide, NF, jars....lb. .90 - 1.10
Carbide standard generator size, dms., c.l., dlvd...ton.128.00 - —
Carbonate (see Chalk and Whiting).
Chloride, cryst., purified, bbls., jars lb. .28 - .30
flake, 77-80% paper bgs., c.l. works, frt. equald ton.25.00 - —
l.c.l. same basis ton.82.00 -82.00
liquor, same basis 40%, tank cars ton.10.50 - —
pellets, bgs., c.l., works ton.31.25 - —
solid, 73-75% dms., c.l., frt. equald ton.23.50 - —
l.c.l. works, same basis ton.32.00 -69.00
USP, gran., bbls....lb. .30 - —
Chromate, bgs., frt. equald...lb. .29½- .30
lb. .29½- .30
Cyanide, dms., dlvd. E. of Rockies. lb. .30 - .50
Gluconate, AA, bbls., dms....lb. .65 - .72
USP, bbls dms lb. .58 .65
Glycerophosphate, NF, fib. dms. lb. 2.00 - 2.15
Hydride, dms., works....lb. .90 - —
Hypochlorite, high test., cns., cased (45 lbs.) dlvd. E. of Rockies...cs.21.00 -23.00
100 lbs., dms., same basis dm.25.25 -29.85
Hypophosphite, ton lots or less, dms lb. .90 - .93
Iodide, jars....lb. 4.32 - —
Lactate, USP, dms., 10,000 lbs. or more, works lb. .40 - —
smaller quantities, works.lb. .41 - .47
Mandelate, USP, dms., works lb. 2.10 - 2.25
Naphthenate, liq., 4% Ca, dms., frt. equald....lb. .25¾- .26¼
Nitrate, tech., bbls., works...lb. .10 - .12
lb. .10 - .12

Calcium pantothenate, dextro, jars, 100 grams or more, frt. adjusted gram. .07¼- —
Phenolsulphonate, dms....lb. .70 - —
Phosphate, dibasic, USP, bgs., c.l. 100 lbs. 7.00 - —
l.c.l....100 lbs. 7.25 - 7.50
feed grade, bgs., c.l., works ton.90.00 Nom.
l.c.l., bgs., works....ton.95.00 Nom.
monobasic, bgs. 10,000 lbs., works, frt. equald lb. .0605- —
smaller lots, same basis lb. .0655- —
tribasic, bgs., c.l., works.100 lbs. 6.75 - —
l.c.l., works....lb. 7.20 - 7.50
Phytate, bgs., works....lb. .28 - —
Resinate, precip. dms. frt. alld., works lb. .27½- —
Silicate, hydrated, bgs., c.l., works lb. .06 - —
l.c.l. works lb. .06½- —
Stearate, precip., ctns., c.l., works. lb. .44 - .45
l.c.l., works....lb. .45 - .46
Sulphate (see Gypsum).
Calcium-strontium sulphide, phosphorescent, steel pails, 100 lb. to 999 lb lots, works.lb. 2.60 - 3.50
fine particle size, same basis, works lb. 2.85 - 3.75
Calendula flowers, bls....lb. .50 - .55
Calomel, USP, powd., dms....lb. 4.02 - —
Camphene, dms., extra, c.l., works. 100 lbs.17.80 -18.80
l.c.l., same basis....100 lbs.18.30 -19.65
tanks, same basis....100 lbs.15.60 -16.60
Chlorinated, 67-69% (see Toxaphene).
Camphor monobromated NF, dms., kgs lb. 3.00 - 3.10
natural, powd., 100-lb. lots, bbls lb. .45 - .55
tablets, 1-oz., ½-oz. cs....lb. .85 - .93

Camphor, synthetic, tech., bbls., 10 bbls., 1,500-lb. lots..lb. .55½- —
smaller lots....lb. .56 - .66
USP, gran., powd., bbls., 2,000-lb. lots..lb. .60 - —
1,000-lb. lots....lb. .61 - —
smaller lots....lb. .62 - —
tablets, tins, 2,000-lb. lots..lb. .93 - —
1,000-lb lots....lb. .94 - —
smaller lots....lb. .95 - —
Canada balsam (see Fir balsam).
Canella alba bark, bls....lb. .25 - .30
Cantharides, Chinese, cs....lb. 1.05 - 1.10
powd., bxs....lb. 1.15 - 1.20
Russian, bgs....lb. 2.80 - 2.90
powd., bxs....lb. 2.90 - 3.00
Capsicum (see Pepper, red).
Oleoresin, NF, from domestic pepper...lb. 4.50 - 6.50
from African pepper....lb. 5.75 - 6.75
Caramel coloring NF bbls....gal. 1.05 - 1.20
Caraway seed, Dutch, bgs....lb. .17½- .18
Carbazole, 97% steel dms., ton lots, works. lb. 1.55 - —
bbls., same basis....lb. 1.65 - 1.85
Carbinol, methylisobutyl, dms., c.l., frt. alld. E...lb. .15¼- —
l.c.l., same basis....lb. .16 - —
tanks, same basis....lb. .13½- —
Carbon bisulphide, 50-gal. dms., c.l., works, frt. alld. to competitive points...lb. .06½- —
l.c.l., same basis....lb. .07½- —
5-gal. dms., c.l., same basis. lb. .08¾- —
l.c.l., same basis....lb. .09¾- —
tankcars, same basis....lb. .0480- —
Dioxide, cyls....lb. .06 - .08
Tetrachloride, CP, dms., works. lb. .10½- .11½
NF, cbys....lb. .17 - .19

Carbon tetrachloride, tech., dms., c.l., E. of Rockies, frt. alld. lb. .08 - —
W. of Rockies, f.o.b. stock points...lb. .09 - —
l.c.l., E. of Rockies, frt. alld. lb. .10 - —
W. of Rockies, frt. alld. lb. .109 - —
tanks, E. of Rockies, frt. alld. lb. .07¼- —
W. of Rockies, frt. alld...lb. .08¼- —
Carboxymethylcellulose-Sodium—See CMC
Carbromal, NF, dms., 100-lb. lots, works lb. 4.00 - 4.25
smaller lots, works....lb. 4.10 - 4.75
Cardamom fruit, bleached, bold, fancy, cs...lb. 4.10 - 4.15
medium, cs....lb. 3.90 - 3.95
decorticated, Alleppey, cs....lb. 3.90 - 4.00
Guatemalan, cs....lb. 3.70 - 3.75
Mangalore type, cs....lb. 3.50 - 3.55
Indian, cs....lb. 3.50 - 3.60
green, Alleppey, bgs....lb. 2.80 - —
Ceylon, bgs....lb. 2.75 - —
seed (See Cardamom fruit, decorticated)
Carmine, No. 40, NF, bulk, 100 lbs. or more, dlvd. lb. 5.50 - —
smaller lots, dlvd....lb. 5.65 - 6.15
Carotene, crystals, research grade, pure alpha or beta ampuls. 10 mg. 5.00 - —
90% beta-10% alpha, ampuls.. 100 mg. 2.00 - —
gram quantities, ampuls .gm. 5.00 - —
technical, 1,350,000 A units per ampuls gram. gm. .67½- —
tins, works....gm. .44 - —
dry powder, 3,330 A units per tins, gram lb. .81 - —
emulsion (in milk), 600,000 A units per 16-oz. can. 1.09 - —
in vegetable oil, 166,666 A units, per gram lb.25.24 - —
50,000 A units per gram, cns..lb. 7.86 - —
feed grade, 5,000,000 to 8,000,000 A units, per lb., dms., works, mill units.. .18 - —
3,350 A units per gram...lb. .85 - —
microcrystalline, in oil, 400,000 A units per gram, tins, works, mill units. .26 - —
Carvol, bots....lb. 8.75 -10.50
Cascara sagrada bark, bulk....lb. .44 - .49
Casein, dom., acid-precip., standard, bgs., 10,000 lbs. or more, ship't point..lb. .42 - .43
premium, bgs., 10,000 lbs. or more, ship't point..lb. .44 - .45
imp., acid-precip., ground, 100 bgs. or more, ex dock..lb. .39¼- .39¾
rennet-precip., bgs., 10,000 lbs. or more, ex dock lb. .39½- .42½
Cashewnut shell liquid, treated, dms., c.l., f.o.b. Newark, N.J..lb. .21 - —
ton lots same basis....lb. .22¼- —
dm lots same basis...lb. .24¼- —
Cassia, Batavia, cuttings, bls....lb. .15½- .16
longstick....lb. .21 - .21½
shortstick, bls....lb. .16½- .17
China, Canton, Kwangsi rolls, select, cs...lb. .15¾- .16
broken, bls....lb. .15¼- .15½
Honan, Yunnan, scraped, bls lb. .22 - .23
broken, bls....lb. .21 - .22
unscraped, bls....lb. .19½- .20
broken, bls....lb. .19 - .19¼
Saigon, broken, bls....lb. .28 - .29
medium, bls....lb. .34 - .35
thin, bls....lb. .52 - .52½
Cassia, buds, bgs....lb. .35 - .38
Cassia fistula, bskts....lb. .30 - .35
Castor beans, bgs., f.o.b. Brazilian ports..long ton. No prices.
Oil (see Oil, castor).
Pomace, bgs., c.l., works..unit-ton. 5.50 - —
Castoreum, artificial, cns....lb. 9.00 - 9.25
natural, cns....lb. 7.00 -30.00
Catechol, CP, cryst, fib. dms., works lb. 2.00 - —
resublimed, dms. works....lb. 4.00 - —
Catnip leaves, bls....lb. .75 - .80
Celery seed, French, bgs....lb. .34 - .35
Indian, bgs....lb. .29 - .30
Celluloid scrap (see Pyroxylin scrap)
Cellulose acetate flake, ctns, works, frt. alld. on 100 lbs. or more lb. .40 - .50
molding, composition, plain colors, translucent, metallic pearls, special black, dms., c.l., frt. alld..lb. .50 - —
l.c.l., same basis....lb. .53 - —
regular, black, dms., l.c.l., same basis..lb. .43 - —
molding and extrusion transparents, dms., c.l., same basis lb. .55 - —
l.c.l., same basis....lb. .58 - —
extrusion compounds, translucent metallic pearls, special black, dms., c.l., same basis lb. .55 - —
l.c.l., same basis....lb. .58 - —
Acetate-butyrate, flake, 17% butyryl content, ctns., 500 lbs. or over, works..lb. .62 - —
less than 500 lbs., works. lb. .63 - —
17.5% butyryl content, ctns., 500 lbs. or over, works.lb. .56 - —
less than 500 lbs., works. lb. .57 - —
26.5% butyryl content 500 lbs. and over, works....lb. .62 - —
less than 500 lbs., works.lb. .63 - —
37% butyryl content, ctns., 500 lbs. and over, works lb. .58 - —
less than 500 lbs., works.lb. .59 - —
48% butyryl content, ctns., 500 lbs. and over, works..lb. .70 - —
less than 500 lbs., works.lb. .71 - —
molding composition, plain colors, pearls, transparents, special black, dms., l.c.l., frt. alld..lb. .65 - —
regular black dms. l.c.l. same basis..lb. .53 - —
Triacetate, flake ctns. works, frt alld. on 100 lbs. or more..lb. .32 - —
Cerium hydrate, dms., works....lb. 1.25 - 1.35
Oxalate, NF, bbls., bgs., works lb. .70 - .72
Oxide, optical grade, bgs., 50 lbs. or more, works lb. 1.75 - 1.85
smaller lots, works....lb. 1.80 - 2.25
Chalk, precip., cosmetic, dentifrice, drugs, bgs., cl., works..lb. .0295- .035
l.c.l., ex whse....lb. .0395- .05
paint, bgs., c.l., works....ton.40.00 - —
papermakers, bgs., c.l., works ton.32.50 -40.00
rubber makers, bgs., c.l., works ton.55.00 -60.00
Chamomile flowers, Hungarian and Hungarian style, cs..lb. .55 - .85
Charcoal, activated, NF, fib. dms., c.l., works..lb. .25 - .32
5-ton lots, works....lb. .26½- .32½
smaller lots works....lb. .27 - .50
Bone see (Black, bone).
Hardwood, briquets, bgs., c.l., works..ton.70.00 -80.00
l.c.l., works....ton.75.00 -85.00
bulks, c.l., works....ton.64.00 - —
granular, bgs., c.l., works..ton.65.00 - —
l.c.l., works....ton.65.00 - —
lump, bulk, c.l., works....ton.46.00 - —
Pinewood, gran., powd., bgs., c.l. works, South..ton.40.00 - —
l.c.l. works ton.46.00 -50.00
lump bgs. c.l. works, South ton.40.00 - —
l.c.l., works, South ton.40.00 -50.00
bulk, c.l., works, South ton.30.00 - —

Here's a steel overcoat that both protects and dresses up
LIQUID WAXES
INSECTICIDES
LINSEED OIL
CLEANING FLUIDS
TURPENTINE
SOLVENTS
LIQUID CHEMICALS
VARNISH
SHELLAC
RADIATOR LIQUIDS
BRAKE FLUID
SPECIAL OILS
For "Sunday-best" garb that's ruggedly protective, you can't beat one of Continental's "F" Style cans. These handsomely lithographed cans add sales appeal to any product. They come in the following standard sizes: ½-pint, pint, quart, ½-gallon and gallon. All are equipped with pouring nozzles, and larger sizes are furnished with handles.

P.S. Continental also makes steel containers in a wide variety of sizes for bulk shipments.

CONTINENTAL CAN COMPANY

Eastern Division: 122 E. 42nd St., New York 17 • Central Division: 135 So. La Salle St., Chicago 3 • Pacific Division: Russ Building, San Francisco 4

Chestnut extract, 25% tannin, bbls., c.l., works	lb.	.0475	—
l.c.l., works	lb.	.0510	—
tanks, works	lb.	.04	—
powd., 60% tannin, bgs., extra, c.l., works	lb.	.1032	—
l.c.l., works	lb.	.1102	.1202
China clay, dom., dry-grd., air-float, 99 75%, 300 mesh, bgs. c.l., works	ton.	12.50	-13.00
l.c.l., works	ton.	13.50	-14.00
bulk, c.l. works	ton	9.50	-10.00
99 75%, 200 mesh, bgs., c.l., works	ton.	10.00	-12.00
l.c.l., works	ton.	11.00	-16.00
wet-grd., silk-bolt, 99½%, 325 mesh bulk, c.l., works	ton.	13.00	—
paper bgs. c.l. works	ton.	16.00	—
imported, white, lump, bulk, c.l., ex dock Phila., Portland, Me.	gross ton.	19.00	-40.00
powd., ogs. c.l., ex dock	net ton.	35.00	-45.00
l.c.l., ex whse	net ton.	45.00	-60.00
Chloral, tech., 94% min. dms., c.l., works	lb.	.23	—
l.c.l., works	lb.	.24	—
tanks, works	lb.	.21	—
Hydrate, USP, 40-lb. jars, 1,000-lb. lots	lb.	1.30	—
500-lb. lots	lb.	1.33	—
100 lbs. or less	lb.	1.35	- 1.40
Chloramine T, NF, bbls., works	lb.	.75	- 1.00
Chlordane, agricultural, dms., pails, c.l., works	lb.	.65	—
l.c.l., works	lb.	.70	- .75
refined, dms., c.l., works	lb.	.75	—
l.c.l., works	lb.	.80	- .85
Chlorinated paraffin, 42%, dms., frt. alld., c.l.	lb.	.14¼	—
l.c.l.	lb.	.15	—
70%, dms., c.l., same basis	lb.	.18	—
l.c.l., same basis	lb.	.19	—
Rubber, 5, 10, 20 cps., ctns., works, c.l.	lb.	.58	—
same basis, l.c.l.	lb.	.59	- .60
125, 1,000 cps., ctns., same basis, c.l.	lb.	.60	—
l.c.l.	lb.	.61	- .62
Chlorine, liquid, cyls., c.l., N.Y.	lb.	.08¾	—
l.c.l., N.Y., stock points	lb.	.10¼	—
tanks, single units, works, frt. equald.	100 lbs.	2.70	—
multiple units, 3 cars, works, frt. equald.	100 lbs.	3.20	—
2 cars, same basis	100 lbs.	3.80	—
1 car, same basis	100 lbs.	4.40	—
Chloroform, tech. dms., c.l., dlvd. E	lb.	.17	- .18
l.c.l., same basis	lb.	.20	—
tanks, same basis	lb.	.16	—
USP, dms.	lb.	.30	- .35
Chloro-4-2-toluidine bbls.	lb	1.38	—
Chlorophyl, oil-soluble, copper fixed, 6½% tins, pails, works	lb.	3 75	- 4.50
not fixed, 4%, tins, pails, works	lb.	3.75	- 4.50
water-soluble, copper fixed, 20%, tins, pails, works	lb.	24.00	-25.00
40%, tins, pails, works	lb.	48.00	-50.00
50%, tins, pails, works	lb.	40.00	-50.00
75%, tins, pails, works	lb.	66.00	-76.00
not fixed, 4%, tins, pails, works	lb.	3.50	- 4.50
14%, tins, pails, works	lb.	13.00	-14.00
25%, tins, pails, works	lb.	50.00	-55.00
Chloropicrin, com'l, bots	lb	1.50	—
cyls., 180 lbs., frt. alld.	lb.	.95	—
100 lbs., same basis	lb.	.97	—
25 lbs., same basis	lb.	1.22	—
Cholesterol, USP, fib. dms., 100-lb. lots	lb.	8.80	- 9.50
5-lb. pkg.	lb.	9.00	-10.50
1-lb. pkg.	lb.	9.50	-10.50
Choline bitartrate fib dms., frt. adjusted	lb	2.30	2.55
Chloride, fib dms., same basis	lb	2.30	2.55
Dihydrogen citrate fib dms., same basis	lb	2.30	2.55
Chromium acetate powd. 72% Cr., bbls. works	lb	No stocks	
solut., 7¼% bbls., works	lb.	.08½	—
cbys	lb.	.10¼	—
8½%, bbls., works	lb.	.09	—
cbys	lb.	.10¾	—
Fluoride, bbls., works	lb	44½	—
Green (see Green, chrome).			
Oxide (see Green, chromium oxide)			
Oleate, solid, bbls.	lb.	.49	—
Trioxide, NF, bots.	lb.	.82	—
Yellow (see Yellow, chrome)			
Chrysarobin, USP, bots.	lb.	7.65	-10.27
Cinchona bark, NF, red, broken, bgs.	lb.	.30	- .35
yellow, broken bgs.	lb.	.30	- .35
Cinchonidine cryst. cns., 100 ozs.	oz.	.71	- .72
Sulphate, cns., 100 ozs.	oz.	.37	- .40½
Cinchonine, cryst., cns., 100 ozs.	oz.	.57	—
Sulphate, NF, cns., 100 ozs.	oz.	.27½	—
Cinchophen, NF, heavy density, dms., frt. adjusted	lb.	3.70	4.05
Standard density, dms., same basis	lb.	3.50	3.85
Cinchophen-sodium, dms., frt. adjusted	lb	4.50	4.85
Cinnamic alcohol (see Alcohol, cinnamic)			
Aldehyde, NF, cns., dms.	lb.	1.05	- 1.30
Cinnamon, Ceylon, No. 2, bls.	lb.	.34	- .35
Citral, bots, cns.	lb.	8.10	- 9.30
Citronella, bots., dms.	lb.	4.00	- 7.75
Citronellol, bots., dms.	lb.	4.10	- 5.25
Civet, artificial, bots.	lb.	13.75	-15.00
natural, bots.	oz.	4.00	- 7.00
Clove, Madagascar, bls.	lb.	.47	- .48
Zanzibar, bls.	lb.	.47	- .48
Clover tops, red, bgs.	lb.	.90	- .95
CMC, purified, high vis., (see Gum, cellulose).			
standard low vis., bgs., 23,000 lbs. or over, works, frt alld.	lb.	.60	—
smaller lots, same basis	lb.	.62	—
medium vis., bgs., 23,000 lbs. or over, works, frt. alld.	lb.	.57	—
smaller lots, same basis	lb.	.59	—
technical, high vis., 58% purity, bgs., 20,000 lbs. or more, dlvd. E., 100% basis	lb.	.56	—
2,000 to 20,000 lbs., dlvd. E	lb.	.58	—
less than 2,000 lbs., dlvd. E	lb.	.62	—
low vis., 62% purity, bgs. or fib. dms., c.l., dlvd. E. 100% basis	lb.	.46	- .47
l.c.l., dlvd. E	lb.	.48	- .49
58% purity, bgs., c.l., dlvd. E. net weight basis	lb.	.34	—
l.c.l., dlvd. E	lb.	.36	—
47½% purity, bgs., c.l., dlvd., E., 100% basis	lb.	.46	—
l.c.l., dlvd. E	lb.	.48	—
36½% purity, bgs., c.l., dlvd. E., net weight basis	lb.	.18½	—
l.c.l., dlvd. E	lb.	.20	—

Technical grades of CMC West of the Rocky Mountains are quoted f.o.b. works at 1c. per pound below the above delivered prices.

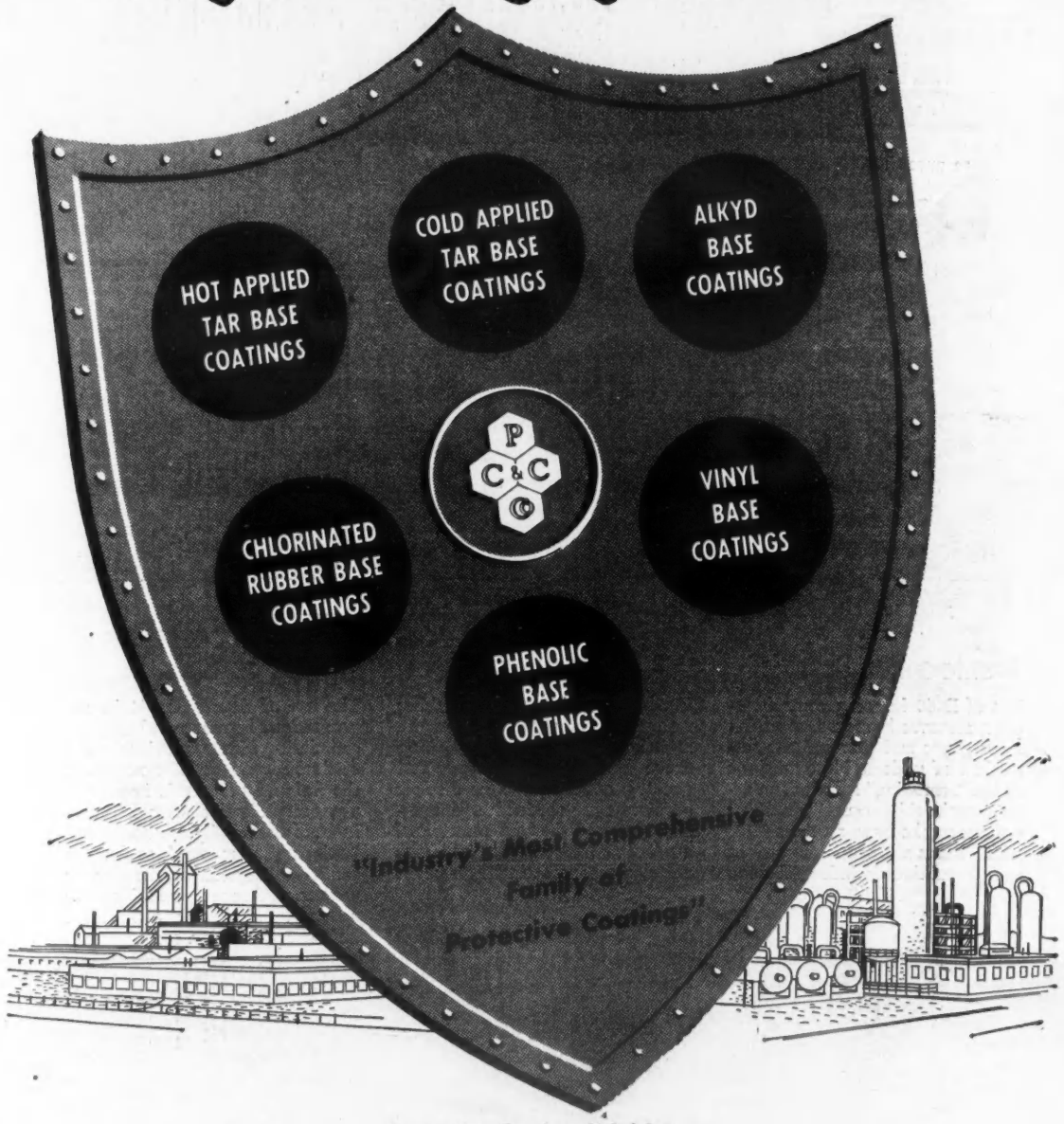
Coaltar, coal gas, water gas, crude, resale dms., c.l., ex-whse.	gal.	.24	—
l.c.l., ex-whse	gal.	.26	—
tanks, ex-whse	gal.	.14½	—
refd., resale, bbls., c.l., ex-whse	gal.	.25	—
l.c.l., ex-whse	gal.	.27	—
tanks, ex-whse	gal.	.15	—
Cobalt acetate, 23.7% bbls., dlvd	lb.	1 11	—
Carbonate 48%, powd., bgs., works	lb.	1.84	—
Chloride, 24.2% Co., kgs., works, lb.		1.06½	—
Hydrate, 60-61% Co., bbls.	lb.	2.41	—
Linoleate fused, 8½% Co., dms.	lb.	.62¼	—
liquid, 6% Co., dms.	lb.	.38¼	—
Metal, 97-99%, kgs., ex-whse.	lb.	2.10	—
under 100 lbs., ex-whse.	lb.	2.17	—
Naphthenate, liq., 6% Co., dms., lb.		.42¼	—
Nitrate 20.1% Co., bbls.	lb.	.96	—
Oxide, 70-71% Co., black, kgs.	lb.	1.60	—
Phosphate, powdered, 32.1% Co., kgs.	lb.	1.49	—
Resinate, fused, 3% Co., dms.	lb.	.26½	—
Sulphate, 21% Co., bbls.	lb.	1.22¼	—
Cocaine, USP, cns., 100-oz.	oz.	15.00	—
Hydrochloride, cns. 100-oz. lots.	oz.	11.75	—
Cochineal, gray, bgs.	lb.	.67	- .68
silver, Teneriffe, bgs.	lb.	.69	- .70
Cocillana bark, bgs.	lb.	.15	- .17
Cocoa butter, bgs.	lb.	.75	—
Codeine, NF, cns., 100 ozs.	oz.	13.25	—
Hydrochloride, cns., 100 ozs.	oz.	11.85	—
Phosphate, USP cns., 100 ozs	oz.	10.25	—
Sulphate, USP cns. 100 ozs.	oz.	10.75	—
Codliver oil (see Oil, codliver).			
Cohosh black root, bls.	lb.	.20	- .25
Blue root, bls.	lb	17	- .18
Colchicine USP bots. cns.	oz.	74.50	-85.00
Colchicum root, bls.	lb.	.55	- .60
Seed, bgs.	lb.	1.10	- 1.20
Collodion, USP, dms.	lb.	.32½	—
Flexible, USP, dms.	lb.	.34	—
Colocynth, pulp bls.	lb.	.30	- .33
Colombo, root, bls.	lb.	.12	- .14
Coltsfoot leaves, bgs.	lb	.30	- .35
Condurango bark, bgs.	lb.	.17	- .18
Copaiba balsam, cns., dms.	lb.	1.50	- 2.50
Copper acetate, bbls., c.l., works.	lb.	.37	—
l.c.l., works	lb.	.38	—
Carbonate, 55%, bgs., works	lb.	.22	- .23½
Copper, chloride, anhyd., bbls., works	lb.	.34½	—
crystals, bbls., works	lb.	.22¾	—
Citrate, USP 5-lb bots.	lb.	2.40	—
Cyanide, tech., bbls.	lb.	.597	- .617
Gluconate, cns., dms.	lb.	3.00	3.24
Hydrate, dms. frt. alld. E. Miss.	lb.	.27½	.28
Metal, electrolytic, dlvd.	lb.	.24½	—
Naphthenate liquid 8% Cu, dms., frt. alld.	lb.	.25¾	—
Nitrate, tech. cryst. bbls. works.	lb.	.25¼	—
Oleate, solid, 9% Cu, dms, works, lb.		.45	—
Oxide, black, bbls., works	lb.	.39	- .42
red, com'l, bbls., works, c.l.	lb.	.41	- .47
l.c.l.	lb.	.43	- .49
Oxychloride-suphate, bgs., frt. alld.	lb.	.24¼	Nom.
Quinolate, fib dms.	lb.	3.50	—
Resinate, precip. dms., frt. alld.	lb.	.27½	—
Stearate, bgs., c.l., works	lb.	.43½	—
l.c.l., works	lb.	.44½	—
Sulphate, cryst., 99%, bgs., c.l., works	100 lbs.	8.95	- 9.95
l.c.l.	100 lbs.	9.95	-10.95
CP, cryst., gran., bbls., works.	lb.	.1470	—
monohydrated, 35%, dms., c.l., works	100 lbs.	14.95	—
tribasic, dealers, bgs., c.l., works, frt. alld.	lb.	.2433	—
l.c.l., works	lb.	.2585	—
USP, gran., cryst., dms.	lb.	.1470	- 2500
Undecylenate, dms.	lb.	2.90	- 3.00
Copperas, cryst., gran., bgs., c.l., works	ton.	17.00	—
l.c.l., works	100 lbs.	1.55	- 2.00
bbls., c.l., works	ton.	20.00	—
bulk, c.l., works	ton.	14.00	—

Chestnut Extract—Creosote Carbonate

Copra, c.i.f. Atlantic, Gulf ports	ton.	192.50	—
Pacific ports	ton.	187.50	—
Coriander seed, Argentine, bgs.	lb.	.14	- .14½
Czech, Roumanian, bgs.	lb.	.16	- .16½
Moroccan, bgs.	lb.	.17½	- .18
Corn sugar, tanners, chipped, paper bgs., c.l., 60,000 lbs. min.	100 lbs.	6.82	—
bbls., c.l., same basis	100 lbs.	6.89	—
Syrup, 42°, dms., c.l.	100 lbs.	6.84	—
l.c.l.	100 lbs.	6.99	—
Cornsilk, bls.	lb.	.15	- .19
Corrosive sublimate, NF, cryst., dms., 50 lbs. or more	lb.	3.68	—
gran., powd., dms., 50 lbs. or more	lb.	3.53	—
Cottonroot bark, bls.	lb.	.28	- .30
Cottonseed hull ash 32-36% potash, bgs. dlvd., unit-ton		1.75	—
Meal, 41% protein, sacked, Memphis	ton.	82.00	-83.00
Coumarin, cryst., NF, cns.	lb.	3.00	- 3.25
powd. cans	lb	3.25	3.50
Cramp bark, NF, bls.	lb.	1.00	- 1.10
Cranesbill root, bls.	lb.	.55	- .60
Cream of tartar, dom., NF, gran. or powd., bbls., 5,000 lbs. ane ship	lb.	.34½	—
smaller lots, bbls., kgs	lb.	.35	- .38
imported, kgs.	lb.	.36¾	- .37
Creosote, coaltar, crude, tanks, works, frt. adjusted	gal.	.20	—
refined, dms., c.l., works	gal.	.35	—
l.c.l., same basis	gal.	.41	—
tanks same basis	gal.	.27	—
solution, 80%, tanks, works	gal.	.188	—
Beechwood, cbys., dms.	lb.	1.35	- 1.40
Hardwood, bots., cbys.	lb.	1.05	- 1.10
Pinewood, dms.	gal	31	33
Carbonate, NF, bots., cbys.	lb.	2.80	2.90

PITT CHEM Protective Coatings

Safeguard Industry Against Corrosion


HOT APPLIED TAR BASE COATINGS
COLD APPLIED TAR BASE COATINGS
ALKYD BASE COATINGS
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CHLORINATED RUBBER BASE COATINGS
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"Industry's Most Comprehensive Family of Protective Coatings"

Protective Coatings Division

PITTSBURGH COKE & CHEMICAL CO.

Serving the Nation with Basic Products for Industry and Agriculture

GRANT BUILDING PITTSBURGH 19, PA.

WAD 3660 B

OFFICES: NEW YORK • CHICAGO • ST. LOUIS • TULSA • HOUSTON • LOS ANGELES • SAN FRANCISCO

Cresol—Dimethylethanolamine

Cresol tech., dry, above 207°C, non-ret. dms. c.l. frt. equald. lb. .15½ - —
l.c.l., same basis lb. .16½ - —
ret dms., c.l., same basis. lb. .15½ - —
l.c.l. same basis lb. .16 - —
tanks, same basis lb. .14½ - —
USP non-ret. dms., c.l., same basis lb. .16½ - —
l.c.l., same basis lb. .17 - —
tanks, same basis lb. .15½ - —
Crotonaldehyde 91-93% dms., c.l works lb. .22 - —
l.c.l., works lb. .23 - —
Cryolite, nat., dealers, bgs., c.l., dlvd. 100 lbs. 15.25 - —
l.c.l., dlvd. 100 lbs. 16.25 - —
Cube root powd., 5% rotenone, bgs., ton lots, works lb. .27 - .30
Cubeb berries, XX NF bgs. lb. .55 - .60
powd., cs lb. .65 - .70
Culvers root, bbls lb. .55 - .75
Cumene dms., c.l., works lb. .12 - —
l.c.l. works lb. .14 - —
tank, works lb. .11 - —
Cumin seed, Indian, bgs lb. .25 - .25½
Iranian, bgs lb. .25 - .25½
Cutch extract, 65% tannin, bgs., ex dock, duty extra lb. .07½ - —
Cyanamide fertilizer mixing grades, 20.6% N, gran., bulk, Niagara Falls, Ont., contracts, ton. 54.00 - —
pulv. 21% N., bgs. same basis unit-ton. 2.60 - —
Cyclohexane tech. dms., c.l., works. lb. .11 - —
l.c.l. works lb. .11¾ - —
tanks, works lb. .09¼ - —
Cyclohexanol tech. dms. c.l., works. lb. .35½ - —
l.c.l., works lb. .36 - —
tanks, works lb. .34 - —
Cyclohexanone, tech., dms., c.l. lb. .26½ - .30
l.c.l., works lb. .27 - .31
tanks, works lb. .25 - .29
Cyclohexylamine, dms., c.l., works. lb. .39¾ - —
l.c.l., works lb. .40¾ - —
tanks, works lb. .38¼ - —
Cyclopropane, CP, 2 lb. cyls, works. cyl. 48.00 - —
6 oz. cyls., works cyl. 12.00 - —
USP hospitals, cyls., 40 gal. lots. gal. .38 - —
100-gal. lots gal. .37 - —
200-gal. lots gal. .36 - —

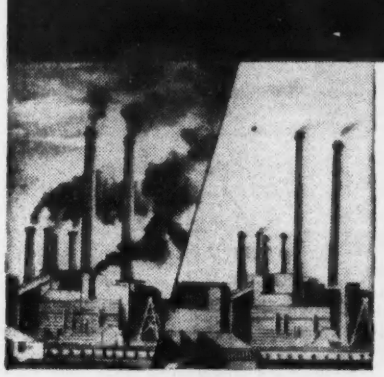
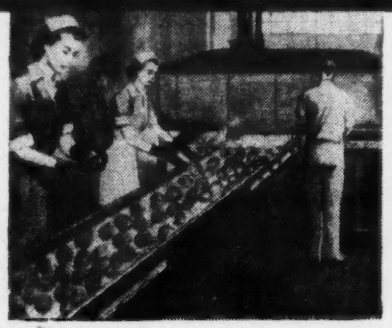
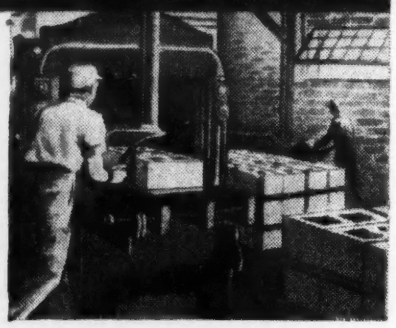
D

2, 4-D bbls., c.l., works frt. equald. lb. .53 - —
l.c.l., same basis lb. .58 - —
Isopropyl ester, dms., c.l., works. lb. .59 - —
l.c.l., works lb. .64 - —
Damiana leaves, bls lb. .32 - .35
Dandelion root, bls lb. .55 - .60
DDD, tech., fine grd. fib. dms., c.l., works lb. .60 - —
l.c.l., works lb. .61 - —
DDT, fiber dms., c.l., works, frt. equald lb. .42 - .50
smaller lots, same basis lb. .44 - .51
Decanol, normal, tech., dms., c.l., dlvd lb. .41½ - —
l.c.l., dlvd lb. .43½ - —
tanks, dlvd lb. .39 - —
Deertongue leaves, bls lb. .35 - .40
Defluorinated phosphate, 13% P, paper bgs., works ton. 49.25 - —
18½% P, paper bgs., works ton. 62.75 - 63.75
Rock, 14½% P, paper bgs. works ton. 50.00 - —
Degras, common, bbls lb. .13½ - .14
Neutral, less 2% ffa, bbls lb. .21 - .22
over 2% ffa., bbls lb. .20 - .21
Derris root, 5% rotenone powd., bbls lb. .35 - .38
Desoxyephedrine hydrochloride, dextro, dms lb. 30.00 - 34.00
dextro-laevo, dms lb. 7.50 - —
Dextrin, corn, gum, paper bgs., c.l., N. Y. 100 lbs. 8.47 - —
l.c.l. 100 lbs. 8.62 - —
canary, paper bgs., c.l. 100 lbs. 8.22 - —
l.c.l. 100 lbs. 8.37 - —
corn, dark, paper bgs., c.l. 100 lbs. 8.32 - —
l.c.l. 100 lbs. 8.47 - —
white paper bgs., c.l. 100 lbs. 8.06 - —
l.c.l. 100 lbs. 8.21 - —
Corn dextrin in cotton bgs. 25c. per 100 lbs. higher.
Potato, bgs lb. .0860 - .0910
Dextrose, USP dms lb. .17¾ - —
Diacetone (see Alcohol, diacetone).
Diacetyl, flavor grade, bots lb. 5.00 - 6.55
laboratory grade, bots 100 grams 4.50 - —
tech., bots., works lb. 3.00 - —
Diamyl ether (see Ether, amyl).
Phthalate, dms., c.l., dlvd. E lb. No prices.
l.c.l., dlvd. E lb. No prices.
tanks, dlvd. E lb. No prices.
Dianisidin, dms lb. 1.90 - —
Diatomaceous earth, dom., bgs., c.l., Atlantic coast ton. 50.00 - 52.00
California ton. 38.00 - 40.00
l.c.l., ex whse ton. 80.00 - —
Diatomaceous earth, dom. purified, bgs., c.l., Atl. ton. 62.00 - —
California ton. 50.00 - —
l.c.l., ex whse ton. 90.00 - —
Atlantic coast ton. No prices.
Mexican, white, bgs., c.l., Atlantic coast lb. .03 - —
l.c.l., Atlantic coast lb. .06 - —
Dibenzyl sebacate, dms., c.l., works. lb. .75¾ - —
l.c.l., works lb. .76¾ - —
tanks, works lb. .74 - —
Dibutyl phthalate, dms., c.l., dlvd lb. .40½ - .40¾
l.c.l., dlvd lb. .41½ - .41¾
tanks, dlvd lb. .39 - —
Sebacate, CP, dms., c.l., works. lb. .69¼ - —
l.c.l., works lb. .70¼ - —
tech., dms., c.l., works lb. .67¼ - —
l.c.l., works lb. .68¼ - —
Tartrate, dms., works, frt. alld lb. .79 - —
Dibutylamine, dms., c.l., frt. alld lb. .54¾ - —
l.c.l., frt. alld lb. .55¾ - —
tanks, frt. alld lb. .53 - —
Dicapryl phthalate, dms., c.l., dlvd. lb. .41¾ - —
l.c.l., dlvd lb. .42¾ - —
tanks, dlvd lb. .40 - —
Sebacate, dms., c.l., works lb. .63¼ - —
l.c.l., works lb. .64¼ - —
tanks, works lb. .61½ - —
Dichloroanilin, dms., works lb. .75 - .83
Dichlorodiphenyldichloroethane (see DDD).
Dichlorodiphenyltrichloroethane (see DDT).
Dichloroethyl ether (see Ether, dichloroethyl).
Dichloropentanes, dms., c.l., works, lb. .06 - —
l.c.l., works lb. .07 - —
tanks, works lb. .04 - —
Dichlorophenol, dms., c.l., frt. equald lb. .27 - —
l.c.l., frt. equald lb. .28 - —
Dicyclohexylamine, dms., c.l., works lb. .43¼ - —
l.c.l., works lb. .44 - —
tanks, works lb. .41¾ - —
Dicyclohexylphthalate, fib. dms., c.l., works lb. .60 - —
l.c.l., same basis lb. .61 - —
Diethanolamine, dms., c.l., frt. alld., E lb. .29¼ - —
l.c.l., same basis lb. .30¼ - —
tanks, same basis lb. .27½ - —
Diethyl carbonate, dms., c.l., frt. alld. lb. .46¾ - —
l.c.l., same basis lb. .47¾ - —
tanks, same basis lb. .45 - —
Maleate, dms., c.l., dlvd lb. .50 - —
l.c.l., dlvd lb. .51 - —
tanks, dlvd lb. .48½ - —
Oxalate, dms., c.l., frt. alld lb. .41¾ - —
l.c.l., same basis lb. .42¾ - —
tanks, same basis lb. .40 - —
Phthalate, dms., c.l., dlvd lb. .34¼ - .34¾
l.c.l., dlvd lb. .35¼ - .35¾
tanks, dlvd lb. .32½ - .33
Sulphate, dms., c.l., works lb. .17¼ - —
l.c.l., works lb. .17¾ - —
tanks, works lb. .15½ - —
Diethylamine, dms., c.l., frt. alld, E lb. .62¼ - —
l.c.l., same basis lb. .63¼ - —
tanks, same basis lb. .60½ - —
Diethylanilin, dms. lb. .48 - —
Diethyleneglycol, dms., c.l., frt. alld, E lb. .20¼ - —
l.c.l., same basis lb. .21¼ - —
tanks, same basis lb. .19½ - —
Boriborate, dms., l.c.l. lb. .32½ - —
Diethylether, dms., c.l., works lb. .46½ - —
l.c.l., works lb. .47 - —
Monobutylether, dms., c.l., works. lb. .27¾ - —
l.c.l., works lb. .28¾ - —
tanks, works lb. .26 - —
Monobutylether acetate dms., c.l., works lb. .29 - —
l.c.l., works lb. .29½ - —
Monoethylether, dms., c.l., works. lb. .20¼ - —
l.c.l., works lb. .20¾ - —
tanks, works lb. .18½ - —
Diethyleneglycol monoethylether, acetate, dms., c.l., works lb. .26¼ - —
l.c.l., works lb. .26¾ - —
Monomethylether, dms., c.l., works. lb. .24¼ - —
l.c.l., works lb. .24¾ - —
tanks, works lb. .22½ - —
Diethylenetriamine, dms., c.l., works. lb. .42 - —
l.c.l., works lb. .42½ - —
tanks, works lb. .40 - —
Diethylethanolamine, dms., c.l., works, frt. alld lb. .67½ - —
l.c.l., same basis lb. .68½ - —
tanks, same basis lb. .65¾ - —
Diethylstilbestrol, USP, bots kilo. 180.00 - 240.00
Digitalin, cryst., bots gram. 12.50 - 18.00
powd., bots oz. 25.00 - 30.00
Digitalis, leaves, bls lb. 1.10 - 1.30
Digitoxin, USP, bots gram. 8.00 - 10.00
Diglycol, laurate, dms lb. .40 - —
Oleate, dms. lb. .40½ - —
Stearate, dms. lb. .39½ - —
Dihexyl sebacate, dms., c.l., works. lb. .51¾ - —
l.c.l., works lb. .52¾ - —
tanks, works lb. .50 - —
Dihydrostreptomycin hydrochloride and sulphate bulk, 50 kilos or more gram. .324 - —
unlabeled 1-gram vials, 1 to 500,000 vials vial. .384 - —
5-gram vials, 1 to 500,000 vials vial. 1.766 - —
Dihydroxydichlorodiphenylmethane, pure, dms lb. 2.80 - 3.00
tech., dms lb. 1.15 - 1.25
Di-isobutyl ketone, dms., c.l., dlvd lb. .16¾ - —
l.c.l., dlvd lb. .17¾ - —
tanks, dlvd lb. .15 - —
Di-isobutylene, dms., c.l., works lb. .09¼ - —
l.c.l., works lb. .10 - —
tanks, works lb. .07½ - —
Di-isooctyl phthalate, dms., c.l., dlvd. lb. .41¾ - .42
l.c.l., same basis lb. .43¼ - .43
tanks, same basis lb. .40 - —
Di-isopropylamine dms., c.l., works, frt. alld., E. of Miss lb. .49¾ - —
l.c.l., same basis lb. .50¾ - —
tanks, same basis lb. .48 - —
Dillseed, dewhiskered, bgs lb. .13 - .14
Dimethyl anthranilate, cns lb. 5.50 - 5.75
Chloroacetal, dms., c.l., works lb. .53 - —
l.c.l., works lb. .55 - —
tanks, works lb. .51 - —
Hydroquinone, dms lb. 2.25 - 2.75
Phthalate, dms., c.l., dlvd lb. .28¾ - .31¾
l.c.l., dlvd lb. .29¾ - .32¾
tanks, dlvd lb. .27 - .30
Sebacate, dms., c.l., works lb. .78¾ - —
l.c.l., works lb. .79¾ - —
tanks, works lb. .77 - —
Sulphate, 55-gal. ret. dms., c.l., works lb. .15 - —
l.c.l. works lb. .16 - —
10-gal. ret. dms., works lb. .16½ - —
Dimethylamine 25-40% dms., c.l. works, basis 100% lb. .37 - .38
l.c.l., works, basis 100% lb. .37½ - .38¼
tanks, works, basis 100% lb. .33 - —
Dimethylanilin, dms., c.l., frt. alld. lb. .26 - —
l.c.l., frt. alld lb. .27 - —
tanks, frt. alld lb. .25 - —
Dimethylethanolamine, dms., c.l., dlvd lb. 1.43 - —
l.c.l. dlvd. lb. 1.45 - —
tanks, dlvd. lb. 1.40 - —

ORONITE CHEMICAL COMPANY
THE NAME TO WATCH IN CHEMICALS

D-40
is more than a detergent

The detergent base of many industrial and household cleaning compounds, Oronite D-40 has dozens of other uses. Its versatility and high quality are characteristic of the chemicals made by Oronite—a dependable source of basic ingredients for better products.

THREE TYPICAL INDUSTRIAL USES OF ORONITE D-40:

1 SMOG REDUCTION

Use of D-40 in smog control systems, removes hydrocarbons from stack gasses and prevents the formation of undesirable emulsions in the "scrubbing" solution. In actual practice this process has reduced exhaust smoke by as much as 90%, which offers a potential control of smog conditions in industrial areas.

2 AGRICULTURE

In addition to its value in washing many fruits and vegetables, Oronite D-40 is a tremendous aid in peeling these foods during canning and packing operations. Two distinct advantages are obtained; 1) immersion time and the concentration of alkali can be reduced and 2) the fruits and vegetables retain better color.

3 CEMENT

The use of Oronite D-40 in the production of cement products, such as building blocks, provides many distinct advantages. The texture of the finished product is improved, water requirements reduced, plasticity and workability are better and "stripping" from molds or forms is facilitated. In addition, the abrasive wear on mixing equipment is greatly reduced. All these contributions help cut production costs.

A partial list of other Oronite Chemicals

NOTICE Some of the following are currently in short supply.

Detergent Alkane
Detergent Slurry
Detergent D-60
Wetting Agents
Lubricating Oil Additives
Cresylic Acids
Gas Odorants
Polybutenes
Sodium Sulfonates
Purified Sulfonate
Naphthenic Acids
Phthalic Anhydride
Ortho Xylene
Para Xylene
Xylol
Aliphatic Acid
Hydroformer Catalyst

If you want more detailed information about D-40 or other Oronite Surface Active Agents, just write us and we'll be glad to send it to you.

ORONITE CHEMICAL COMPANY
38 SANSOME ST., SAN FRANCISCO 4, CALIF. — STANDARD OIL BLDG., LOS ANGELES 15, CALIF.
30 ROCKEFELLER PLAZA, NEW YORK 20, N.Y. — 600 S. MICHIGAN AVENUE, CHICAGO 5, ILL.
MERCANTILE SECURITIES BLDG., DALLAS, TEXAS

Dinitroaniiin, dms., frt. equald lb. .57 - —
Dinitrobenzene, crude, dms. lb. .20 - —
purified, dms lb. .22 - —
Dinitrochlorobenzene dms., c.l., frt. alld. E lb. .18 - —
l.c.l., frt alld E lb. .19 - —
tanks, frt alld. E lb. .17 - —
Dinitrophenol, bbls lb. .34 - —
Dinitrotoluene oily, dms lb. .10 - —
refd., dms lb. .21 - —
Dinonylnaphthalene, dms., c.l., works lb. .13 - —
l.c.l., dms., works lb. .14 - —
tanks, works lb. .12 - —
Dioctyl adipate, dms., c.l., works lb. .47 - —
l.c.l., same basis lb. .45 - —
tanks, same basis lb. .45 - —
Phthalate dms., c.l., frt. alld lb. 41½- .42
l.c.l. frt alld lb. 42½- .43
tanks, frt. alld lb. .40 - —
Diopside, 16 mesh, bgs., works ton.17.00 - —
325 mesh, same basis ton.20.00 - —
Diorthotolyiguanidin dms. ton lots, dlvd lb. .52 - —
smaller lots, dlvd lb. .53 - —
Dioxan, dms. c.l., frt. alld. lb. .26¼ - —
l.c.l., same basis lb. .26¾ - —
tanks, same basis lb. .24½ - —
Dip oil (see tar acid oil).
Dipentaerythritol, bgs., c.l., works, lb. .34 - —
l.c.l., works lb. .37 - —
Dipentene, dest.-dist., dms., extra, c.l., works, South gal. .38 - —
l.c.l. gal. .39 - —
l.c.l., whse., N. Y. gal. .58 - —
steam-dist. dms. c.l., works, south gal. .35 - —
l.c.l., works, South gal. .46 - —
dlvd N. Y. gal. .52 - —
Diphenyl, bbls., c.l., works lb. .15 - —
l.c.l., works lb. .16 - .20
Oxide, perfume grade, cns lb. .53 - .91
Phthalate dms., c.l., works lb. .45 - —
l.c.l., same basis lb. .47 - —
Diphenylamine, refined, gran., bbls., c.l. works lb. .23 - —
l.c.l., works lb. .30 - —
tankcars, works lb. .25 - —
tech., tankcars, works lb. .24 - —
Diphenylguanidin, dms., ton lots lb. .43 - —
smaller lots lb. .44 - —
Diphenylhydantoin-sodium, USP dms. lb. 5.30 - 5.60
Dipropyleneglycol, dms., c.l., frt. alld. lb. .16¾- .17
l.c.l., same basis lb. .17¾- .18
tanks, same basis lb. .15 - —
Methylether, dms., c.l., frt. equald. lb. .19¾- —
l.c.l., same basis lb. .20¾- —
tanks, same basis lb. .18¼- —
Ditertiarybutylmetacresol, dms., c.l., works lb. .32 - —
l.c.l., works lb. .33 - —
tanks, works lb. .31 - —
Ditertiarybutylparacresol, dms., c.l., works lb. .91 - —
l.c.l. works lb. .95 - —
Divi-divi 45% tannin bgs., bls., c.l., U. S. ports, ex dock ton.120.00 - —
Divinylbenzene, 20-25% dms., c.l., works lb. .20 - —
l.c.l., works lb. .21 - —
tanks, works lb. .19 - —
40-50%, on 100% basis, dms., c.l., works lb. 1.25 - —
l.c.l., works lb. 1.35 - —
tanks, works lb. 1.20 - —
Dodecyltoluene dms., c.l., works lb. .14 - —
l.c.l., works lb. .15 - —
tanks, works lb. .13 - —
Doggrass root, dom., cut bls lb. .26 - .28
imp., NF, cut bls lb. .30 - .35
Dogwood bark, Jamaica bls lb. .11 - .13
Dragon's blood, drops, cs lb. .43 - .47
mass, cs. lb. .90 1.00
reeds, cs lb. 1.60 - 1.65

Dyes, coaltar, certified colors for food, drugs and cosmetics, 5-lb. and 1-lb lots, dlvd.:—

Blue, FD&C, No. 1, cns. lb.17.00 -17.60
No. 2, cns. lb.17.00 -17.60
Green, FD&C, No. 1, cns. lb.17.00 -17.60
No. 2, cns. lb.22.20 -22.85
No. 3, cns. lb.35.25 -35.90
Orange, FD&C, No. 1, cns. lb 3.65 3.75
No. 2, cns. lb 4.65 4.75
Red, FD&C, No. 1, cns. lb 7.55 7.85
No. 2, cns. lb 4.00 4.10
No. 3, cns. lb.22.20 -22.85
No. 4, cns. lb 7.20 7.50
No. 32, cns. lb 5.30 5.40
Violet, FD&C, No. 1, cns. lb.17.00 -17.60
Yellow, FD&C, No. 1, cns. lb.10.50 -11.05
No. 3, cns. lb 3.30 3.40
No. 4, cns. lb 3.30 3.40
No. 5, cns. lb 4.00 4.10
No. 6, cns. lb 4.00 4.10

Dyes, coaltar, certified colors for drugs and cosmetics, 1-lb. lots, works, 25-50 lb. lots, dlvd:—

Black, D&C, No 1, cns. lb.10.95 - —
Blue, D&C, No. 4, cns. lb.13.55 - —
Brown, D&C, No. 1, cns. lb.16.10 - —
Green, D&C, No. 5, cns. lb.16.10 - —
No. 6, cns. lb.16.10 - —
No. 7, cns. lb.14.80 - —
Orange, D&C, No. 3, cns. lb.10.95 - —
No. 4, cns. lb.20.05 - —
No. 5, cns. lb. 5.70 - —
No. 10, cns. lb.20.70 - —
Red, D&C, No. 8, cns. lb 3.75 - —
No. 9, cns. lb 3.75 - —
No. 10, cns. lb 3.00 - —
No. 11, cns. lb 2.25 - —
No. 12, cns. lb 3.00 - —
No. 17, cns. lb.10.95 - —
No. 18, cns. lb.24.00 - —
No. 19, cns. lb.20.05 - —
No. 21, cns. lb 4.70 - —
No. 22, cns. lb.10.95 - —
No. 28, cns. lb.24.65 - —
No. 33, cns lb.17.45 - —
Violet, D&C, No. 2, cns. lb.16.10 - —
Yellow, D&C, No. 7, cns. lb.10.95 - —
No. 8, cns. lb.10.95 - —
No. 10, cns. lb.13.50 - —
No. 11, cns. lb.13.50 - —

Dyes, coaltar, certified colors for drugs and cosmetics, external use, 1-lb. lots, works, 25-50 lb. lots, dlvd:—

Blue, Ext. D&C, No. 1, cns. lb.16.10 - —
Green, Ext. D&C, No. 1, cns. lb.16.10 - —
Red, Ext. D&C, No. 1, cns. lb.13.50 - —
Yellow, Ext. D&C, No. 1, cns. lb.10.95 - —

Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype).

20 Orange AD lb. .54 - —
27 Fast light orange 2G lb. .78 - —
31 Phloxine 2G lb. .64 - —
36 Alizarine yellow 2G lb. .83 - —
40 Orange R extra, conc lb. 1.06 - —
57 Fuchsine 6B lb. .57 - —
79 Scarlet 2R lb. .74 - —
151 Orange Y lb. .47 - —
161 Orange RR lb. .55 - —
176 Fast red A conc lb. .90 - —
179 Azo rubine XX, conc lb. 1.04 - —
180 Blue F4B lb. .92 - —
185 Brilliant scarlet 3RN, conc lb. .93 - —
202 Chrome blue black, conc lb. .68 - —
203 Chrome black T lb. .71 - —
208 Fast blue SR lb. .91 - —
216 Chrome red B lb. .84 - —
234 Resorcin brown lb. .89 - —
246 Blue black, extra, conc lb. .86 - —
275 Milling red 3R, conc lb. 2.03 - —
289 Navy blue 3R, conc., 125% lb. 1.09 - —
299 Black F, conc lb. 1.40 - —
304 Neutral black 2B, conc, 200% lb. 2.01 - —

Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype).

326 Fast scarlet 4BNC lb. 1.64 - —
332 Bismarck brown RX, conc. lb. .96 - —
365 Brilliant yellow, conc lb. 2.34 - —
382 Scarlet B lb. 1.65 - —
401 Diazo black, BHD lb. .63 - —
406 Blue, 2B extra conc lb. 1.07 - —
419 Diamine fast red FC lb. 1.12 - —
420 Diamine brown M lb. .90 - —
448 Benzo purpurine 4B conc. lb. 1.18 - —
518 Diamine sky blue FF extra conc., 150% lb. 2.25 - —
561 Trisulphon brown BCW, conc lb. 2.03 - —
581 Direct black E double lb. .69 - —
593 Diamine green BXN conc. 150% lb. .97 - —
596 Congo brown GG, conc. 150% lb. 1.46 - —
620 Stilbene yellow G, conc lb. .92 - —
639 Xylene light yellow GX lb. 1.79 - —
640 Tartrazine conc lb. 1.46 - —
655 Auramine conc lb. 1.65 - —
657 Victoria green sml. cryst. lb. 2.10 - —
662 Brilliant green cryst lb. 2.79 - —
667 Brilliant milling green B conc lb. 3.68 - —
671 Brilliant blue E lb. 1.73 - —
680 Methyl violet S, conc lb. 1.10 - —
681 Crystal violet powder lb. 2.15 - —
698 Formyl violet S4B lb. 1.58 - —
720 Chrome azure blue BR conc. 200% lb. 3.75 - —
729 Victoria blue B conc lb. 2.79 - —
739 Green SN extra lb. 2.41 - —
749 Rhodamine B extra lb. 4.33 - —
814 Fast yellow NNL conc. 175% lb. 3.11 - —
841 Safranine T extra, conc., 125% lb. 2.90 - —

Dinitroanilin—Dyes, Coaltar, For Stains, Water-Soluble

Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype).

865 Nigrosine WSJ lb. .68 - —
922 Methylene blue ZX lb. 1.55 - —
969 Sulphanthrene blue GR paste, lb. .76 - —
978 Sulphogene carbon HCF grains lb. .32 - —
1034 Alizarin red S conc lb. 2.59 - —
1054 Anthraquinone blue B lb 2.91 - —
1078 Anthraquinone green G lb. 2.72 - —
1085 Alizarin blue black B lb. 2.33 - —
1096 Indanthrene golden orange G, single paste lb. 2.00 - —
double paste lb. 4.00 - —
1099 Indanthrene dark blue BO, single paste lb. 1.75 - —
1101 Brilliant green B, double paste lb. 2.36 - —
1106 Indanthrene blue RS, double paste lb. 2.57 - —
1113 Indanthrene blue GCD, double paste lb. 1.75 - —
1150 Indanthrene olive R, single paste lb. 1.10 - —
1151 Indanthrene brown R, single paste lb. 1.68 - —
double paste lb. 3.35 - —
1212 Sulphanthrene red violet 2RN, single paste lb. 1.62 - —
1217 Sulphanthrene orange R, single paste lb. 1.65 - —
p-4 Acid anthracine brown PGN, lb. 2.31 - —
p-14 Anthracene chromate brown EBN lb. 1.31 - —
p-24 Benzo fast black L conc., 150% lb. 2.18 - —
p-80 Diazo brilliant scarlet ROA lb. 2.79 - —
p-202 Zambesi black V lb. 1.06 - —

Dyes, coaltar, for stains, oil-soluble, 100-lb dms. sellers' works.

Black, blue No 550 lb 81 - —
Jet, No 551 lb .89 - —
Brown R, conc lb 1.72 - —
Orange R brilliant lb .90 - —
Red 4 B, conc lb 1.37 - —
Yellow C lb 1.18 - —
FN, conc. lb. 1.22 - —

Dyes, coaltar, for stains, spirit-soluble, 100-lb dms., sellers' works.

Auramine O lb 1.85 - —
Black, basic, blue lb 1.21 - —
Jet lb 1.21 - —
Blue, methylene, 2 B conc lb 1.55 - —
Brown, Bismarck, R, conc lb .86 - —
Chrysodine R, extra lb .60 - —
Y, extra lb .64 - —
Fuchsine, conc lb 3.08 - —
Green, malachite, conc lb 2.10 - —
Rhodamine B lb 4.33 - —
Safranine, Y, conc lb 2.90 - —
Violet, methyl, B lb 1.10 - —

Dyes, coaltar, for stains, water-soluble, 100-lb. dms. sellers' works.

Azo rubine R, extra, conc lb 1.04 - —
Black, acid blue, B, extra lb .86 - —
Orange, Acid, Y, conc lb .47 - —
Scarlet, croceine, MOO lb 1.45 - —
Yellow, azo-, conc lb .90 - —
Fast light, 3 G, extra lb 2.04 - —
Methanil, conc lb .91 - —

Oil-soluble, spirit-soluble, water-soluble dyes in kegs, 3c. higher; tins, 10c. higher.

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DDT Government Specifications

2,4-D Acid, Salt and Isopropyl Ester

TRICRESYL PHOSPHATE

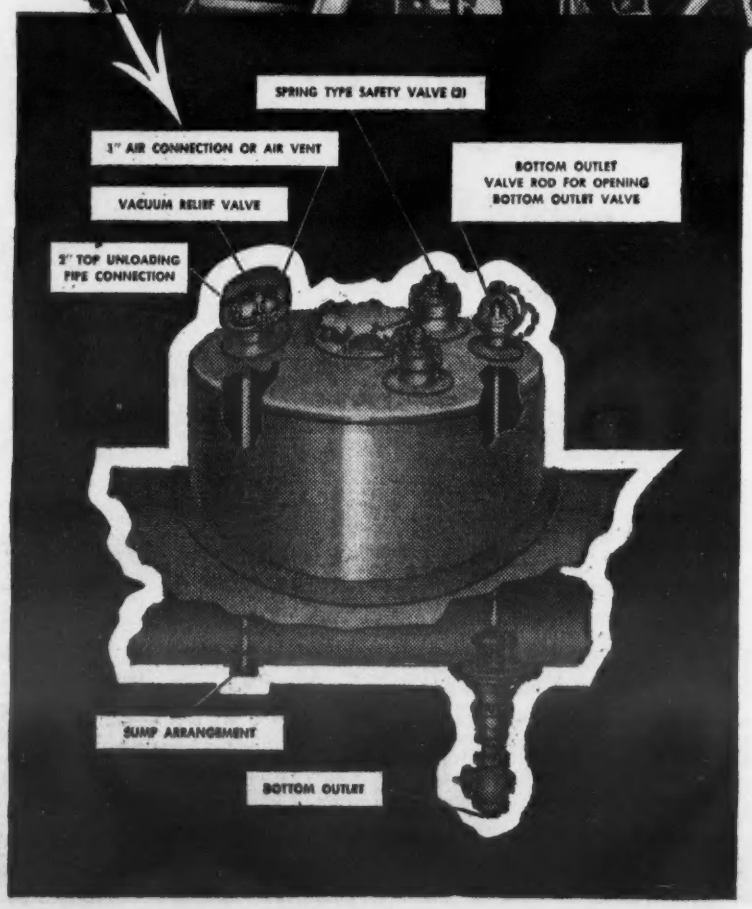
ERGOSTEROL
(Non Irradiated)

MONTROSE CHEMICAL COMPANY
LISTER AVENUE, NEWARK, NEW JERSEY
SELLING AGENTS R. W. GREEFF & CO., INC. 10 ROCKEFELLER PLAZA, NEW YORK, N. Y.
TRIBUNE TOWER, CHICAGO, ILLINOIS

FACTS about PHENOL

UNLOADING PHENOL TANK CARS

Be sure that tank cars stand on a level section of track in order to assure complete unloading of the car. Either of the following two methods may be used, but the first, *top unloading by pumping*, is the safer and the one recommended.


SPRING TYPE SAFETY VALVE (2)
1" AIR CONNECTION OR AIR VENT
VACUUM RELIEF VALVE
2" TOP UNLOADING PIPE CONNECTION
BOTTOM OUTLET VALVE ROD FOR OPENING BOTTOM OUTLET VALVE
SUMP ARRANGEMENT
BOTTOM OUTLET

In times of shortages, additional effort should be expended to use materials efficiently and wisely. The importance of phenol in so many industries has lead Dow to believe that the following information may be of assistance in helping you realize greater value from phenol.

Phenol is used in many manufacturing processes. It is used in the manufacture of: bonding agents for plywood—thermosetting type plastics—toluene—lubricating oils—lubricating oil additives—medicinals—dyes—perfumes—explosives.

Dow believes that complete and comprehensive information about phenol is extremely valuable at this time and is ready to help you further with advice and technical assistance. If you desire additional information, write to Dow, using coupon below.

1. *Top unloading by pumping*

(1) Remove housing covering 1" air vent valve and 2" top unloading pipe valve. (2) Vent the car carefully by opening the 1" vent valve. To

This is No. 1 of a series of Dow advertisements you may wish to keep on file for reference and information. Write Dow for reprints.

make sure that car is vented, open manhole cover bolts one turn at a time until cover is loose. If there is no pressure present, open manhole cover. (3) Connect low pressure steam to car heating coils. (4) Avoid heating contents of the car above 70°C. Phenol should be ready for unloading when the bottom and ends of the car are warm to the hand, providing the car is not insulated. (5) Remove the plug from the 2″ top unloading valve and make sure that there is no unmelted phenol or foreign matter obstructing it. (6) Connect discharge side of pump to line running to the storage tank. Storage tank should be well vented. (7) Connect unloading line to the suction side of pump. The manhole cover may be left open for inspection. (8) Disconnect the piping after phenol has been pumped from car and wash off any phenol. Close all dome openings and blow out steam coils to prevent any residual condensate freezing and bursting the coils. Do not replace steam inlet and outlet caps. (9) Turn "Dangerous" placard to indicate empty car now is ready to return to Dow.

2. Top unloading by air pressure

Prepare the car for unloading by following items (1) through (5) under top unloading by pumping. Then: (6) Close manhole cover and bolt securely in place. (7) Connect the unloading line to the 2″ top unloading pipe connection. Be certain the storage tank is vented. (8) Connect the air supply line (air pressure not to exceed 20 p.s.i.) to the 1″ vent valve. (9) Observe the same procedure after the car is empty of phenol as before.

Physical Properties of Phenol

Phenol is a white crystalline chemical compound with an easily recognized aromatic odor.

Molecular Weight	94.11
Congealing or Freezing Point	40.9°C.
Boiling Point at 760 mm. Hg.	182.0°C.
Density	
Solid—at 25°C.	1.071 g./ml.
Liquid—at 50°C.	1.049 g./ml.
Critical Points	
Critical Temperature	419°C.
Critical Pressure	60.5 Atmospheres
Specific Heat	
Solid—at 4.0°C.	0.306
—at 22.7°C.	0.338
Liquid—70-74°C.	0.548
Viscosity	
Liquid at 45°C.	4.0 centipoises
Heat of Fusion	2690 cal./g. mol. 28.6 cal./g. 51.5 B.t.u./lb.
Heat of Vaporization at 182°C.	103.4 cal./g. 186.1 B.t.u./lb.
Heat of Combustion	732 K. cal./g. mol.
Flash Point	79.0°C.
Solubility	
Water in Phenol at 25°C.—71.28 g./100 g. solution	
Phenol in Water at 25°C.—8.66 g./100 g. solution	

Phenol is soluble in all proportions at room temperature in alcohol, benzene, monochlorobenzene and ether.

STORAGE

In solid state, phenol may be stored in the original container for considerable time without discoloration. Molten phenol, however, discolors when in contact with iron or copper-bearing metals. The higher the temperature, the more rapid the discoloration.

Storage tanks may be either welded or riveted construction. Tanks are usually equipped with steam coils for melting the phenol (temperatures should not exceed 70°C.) for transfer.

TRANSFER

When molten, phenol can be transferred like any other liquid, by gravity, pumping or blowing. Centrifugal and turbine type pumps are generally used and are satisfactory. A pump manufacturer can recommend suitable equipment when your requirements are known. Long fiber asbestos, lubricated with graphite, gives reasonable service when used as a pump packing. Pipe lines for handling phenol should be heated to maintain it in a liquid state. Steam-traced lines are usually used. Outside pipe lines in cold climates should be traced with 3/8″ to 3/4″ steam lines dependent on the length of run and size of the line to be heated, with the tracer along the bottom of the pipe line, and both covered together with standard pipe covering. Short runs inside heated buildings should be traced on the under side of the pipe line, but need not be covered to keep the phenol above its melting point if more than 100 p.s.i. steam is used in the tracer line.

PRECAUTIONARY MEASURES

Phenol produces painful and dangerous burns of the skin in a very short time and death may result from external contact even on an area as small as the hand and forearm. It is classified by the Interstate Commerce Commission as a Class B poison and all containers bear the prescribed "DANGEROUS" placard or "POISON" label. Fumes are irritating to eyes and nose.

Persons engaged in handling phenol should always wear goggles or face shields and rubber gloves. Additional protection such as rubber boots, aprons and hoods may be advisable.

There should be adequate washing facilities immediately available. These facilities should include a shower bath or a water hose which gives a large stream of water under low pressure. For washing eyes, use a flow of water under low pressure.

In case phenol is spilled, it should be thoroughly washed away with water. Torches or heat sources other than low-pressure steam should never be used on phenol containers. No workman should ever be permitted to enter an empty tank or car which has been used for phenol until it has been thoroughly washed out, followed by a thorough steaming for approximately 12 hours.

In case of accidental contact: 1. Begin a thorough washing with large volumes of water. 2. Remove all contaminated clothing. 3. Call a physician.

If you have a Phenol problem

write DOW for information and technical assistance

THE DOW CHEMICAL COMPANY • MIDLAND, MICHIGAN

The Dow Chemical Company, Dept. OC-7,
Midland, Michigan

☐ **Please send me literature about phenol.**
☐ **Please send_____reprints of this advertisement.**

Name_____ Title_____

Company_____

Address_____

City_____ State_____

DOW
CHEMICALS
INDISPENSABLE TO INDUSTRY AND AGRICULTURE

Echinacea Root—Galangal Root

E

Echinacea root, bls.....lb. .66 - .70
Egg albumen (see Albumen).
Yolk, dried, dom., bbls.....lb. 1.28 - 1.31
Chinese, spot, bbls., duty paid..lb. No stocks.
tanners, bbls.....lb. .07½- .08
Elder flowers, bright, bls.....lb. .40 - .50
Elecampane root, bls .....lb. .22 - .25
Elm bark, grinding, bls.....lb. .30 - .35
powd., bbls. bxs.....lb. .40 - .45
select, bundles .....lb. .50 - .55
Emetine hydrochloride, USP, bots. oz.38.75 - —
Ephedrine synthetic, USP anhydrous, bots., 100 ozs oz. .98 - 1.00
hydrous, bots., 100 ozs oz. .92 - —
Hydrochloride, tin, 100 ozs oz. .75 - —
Sulphate, cryst., tins, 100 ozs.oz. .72 - —
powd., tins, 100 ozs oz. .73 - —
Epichlorohydrin, dms., c.l., works lb. .38¾- —
l.c.l., works.....lb. .39½- —
tanks, works.....lb. .37 - —
Epinephrine, synth., USP bots., 100 grams gram. .50 - .60
Epsom salt, tech. bgs. c.l. works, 100 lbs 2.15 - —
l.c.l., works .... 100 lbs. 2.90 - 3.15
USP cryst., bgs., c.l., works 100 lbs. 2.35 - —
l.c.l., 6,000 lbs., 1 withdrawal 100 lbs. 3.10 - —
smaller lots 100 lbs 3.35 - —
Ergosterol, unirradiated, cryst .kilo.150.00 - —
Ergot, NF, dms., tin-lined..... lb. No prices.
Eserine bots ..... oz.45.00 -50.00
Salicylate USP, bots..... oz.32.50 -34.00
Sulphate, bots. ..... oz.33.50 -36.00

Ether acetate (see Ethyl acetate).
Butyl, dms., c.l., works.....lb. .34 - —
l.c.l., works .....lb. .34½- —
tanks, works.....lb. .32½- —
Butyric (see Ethyl butyrate).
Dichloroethyl, purig. dms., frt. equald..lb. .17½- —
l.c.l., same basis.....lb. .16 - —
tanks, same basis.....lb. .16 - —
technical, dms., c.l., works..lb. .16½- —
l.c.l., works.....lb. .17 - —
tanks, works.....lb. .15 - —
Divinyl, USP, anesthesia, bots., 50 cc. hospitals .....bot. 1.12 - —
75 cc, hospitals ..... bot. 1.56 - —
Ethyl, absolute, ACS, dms.....lb. .37 - —
anesthesia, USP, hospitals, 1-lb. cns..lb. .89 - —
½-lb. cns.....lb. .97 - —
¼-lb. cns.....lb. 1.05 - —
Industrial, USP dms. c.l., divd. lb. .21 - —
l.c.l., same basis.....lb. .23 - —
tanks, same basis .....lb. .19 - —
synthetic, dms., c.l., divd. E lb. .16 - —
l.c.l., same basis.....lb. .18 - —
tanks, same basis.....lb. .14 - —
Isopropyl, dms., c.l., divd....lb. .06¾- .09¼
l.c.l., divd.....lb. .07½- .10
tanks, divd.....lb. .05 - .07½
Nitrous, conc. bots. 100 lb. lots lb 1.03 - 1.10
Ethyl acetate, natural, fermentation, 85-88%, dms., c.l., frt. alld. lb. .19¾- .21¾
l.c.l., frt. alld.....lb. .20¾- .22¾
tanks, frt. alld.....lb. .18 - .20
85-92%, dms. c.l., frt. alld. lb. .20¼- .22
l.c.l., frt. alld.....lb. .21¼- .23
tanks, frt. alld.....lb. .18½- .20¼
Ethyl acetate, natural, fermentation 99%, dms., c.l., frt. alld..lb. .20¼- .22¼
l.c.l., frt. alld.....lb. .21¼- .22¼
tanks, frt. alld.....lb. .18½- .20½
NF, dms., frt. alld .....lb. .24 - .25
synthetic, 85-90%, dms., c.l., frt. alld..lb. .14¾- —
l.c.l., frt. alld.....lb. .15¾- —
tanks, frt. alld .....lb. .13 - —
95-98%, c.l., frt. alld.....lb. .15 - —
l.c.l., frt. alld.....lb. .16 - —
tanks, frt. alld .....lb. .13¼- —
99%, dms., c.l., frt. alld..lb. .15¼- —
l.c.l., frt alld.....lb. .16¼- —
tanks, frt. alld .....lb. .13½- —
Acetoacetate, dms., c.l., divd..lb. .55 - .59½
l.c.l., divd .....lb. .56½- .60½
Acrylate, dms., c.l., and truckload, works lb. .49¾- —
less than truckload, divd .lb. .58¾- —
tanks, works.....lb. .48¾- —
Aminobenzoate (see Benzocaine).
Benzoate, cns., dms .....lb. .68 - .73
Bromide, tech., 98% dms.....lb. .43 - .47
Butyrate, bots. .....gal. 6.10 - 6.60
cns., dms., works.....lb. .80 - 1.02
Carbamate (see Urethane)
Chloride, tech., dms., c.l., works. lb. .18 - .20
cyls., c.l., same basis.....lb. .20 - .22
tanks, same basis.....lb. .10 - —
USP, bbls., cyls.....lb. .22 - .24
Cinnamate, cns.....lb. 2.25 - 2.50
Formate, dms .....lb. .65 - .70
Gallate, dms., 100 lb. to 2,000 lb. lots, works lb. 3.90 - 4.40
Iodine, bots., works.....lb. 3.80 - 4.13
cbys., works.....lb. 3.00 - —
Lactate, dms., works.....lb. .44¼- —
Methacrylate, dms., c.l., and truckload, works..lb. .50 - —
less than truckload, works lb. .50½- .60
Nitrite (see Ether, nitrous)
Oenanthate, dms..... lb. .93 - 1.50

Ethyl oleate, dms., l.c.l., works..lb. No prices.
Oxalate (see Diethyl oxalate).
Silicate, dist. (see Tetraethyl-orthosilicate).
40% available SiO_2, dms. works. lb. .55 - —
Ethylaiphanaphthylamine (see Monoethylaiphanaphthylamine).
Ethylaniiin dms. frt. alld.....lb. .50 - —
Ethylbenzene, dms., c.l.....lb. .14 - —
l.c.l. .....lb. .15 - —
tanks .....lb. .13 - —
Ethylbutyl ketone, dms., c.l., works. lb. .33½- —
l.c.l., works.....lb. .34 - —
tanks .....lb. .32 - —
Ethylcellulose, fib. dms, 5,000-lb. lots, work..lb. .73 - —
smaller lots, works .....lb. .75 - .83
Ethylene dichloride, dms., c.l., works, frt. alld., E. of Rockies lb. .11¾- —
l.c.l., works, frt. alld. E. of Rockies lb. .12¾- —
tanks, frt. alld., E. of Rockies. lb. .10 - —
Prices west of Rockies 1c. per lb. higher.
Oxide, cyls., c.l., frt. equald..lb. .26¼- —
l.c.l., frt. equald.....lb. .27¼- —
tanks, frt. dlvd.....lb. .19¼- —
Trichloride (see Trichlorethane)
Ethylenediamine, dms., c.l., works.lb. .48 - —
l.c.l., works.....lb. .48½- —
tanks, works.....lb. .46 - —
Ethyleneglycol dms., c.l., frt alld. E. lb. .18¾- —
l.c.l., same basis.....lb. .19¾- —
tanks, same basis.....lb. .17 - —
Diethylether dms. t.c.l. works lb. .55 - —
Monobutylether, dms., c.l., works. lb. .22¾- —
l.c.l., works.....lb. .23¼- —
tanks, works.....lb. .21 - —
Monoethylether, dms., c.l., works. lb. .20¼- —
l.c.l., works.....lb. .20¾- —
tanks, works.....lb. .18½- —
Monoethylether acetate, dms., c.l., works..lb. .19¼- —
l.c.l., works .....lb. 19¾- —
tanks, works .....lb. 17½- —
Monomethylether, dms., c.l., works lb. .21¾- —
l.c.l., works.....lb. .22¾- —
tanks, works.....lb. .20 - —
Monomethylether acetate, dms., c.l., works. lb. .26¾- —
l.c.l., works .....lb. .27¼- —
tanks, works .....lb. .25 - —
Monostearate, dms.....lb. .42½- —
Ethylethanolamines, mixed, dms., c.l., frt. alld., E. Miss. lb. .42 - —
l.c.l., same basis.....lb. .43 - —
tanks, same basis .....lb. .40 - —
Ethylmorphine hydrochloride USP bots..oz.11.85 - —
Ethylorthotoluidine (see Monoethyl-orthotoluidin.)
Ethylvanillin, cns., 5 lbs. or more lb. 6.75 - —
smaller lots.....lb. 6.80 - 6.90
Eucalyptol, USP, cns., dms.....lb. 2.75 - 3.25
Euphorbia pil. herb, bls .....lb. 14 - 16
Eugenol, pure, USP, cans.....lb. 3.50 - 4.25
Euphorbia, herb, bls.....lb. .12 - .14

F

Feldspar enamel, 100 mesh, bgs., works ton.20.00 -22.00
Glass, 20 mesh, bulk, tons, works. ton.11.75 -12.50
Pottery, bgs., ton lots, works ton.20.00 -22.00
bulk c.l., works .....ton.18.00 -20.00
Fennel seed, Czech., bgs.....lb. .12 - .13¼
French, bgs.....lb. .14½ Nom.
Indian, bgs.....lb. .16 Nom.
Syrian, bgs.....lb. .14 Nom.
Fenugreek seed, Indian, bgs.....lb. .11 - .11½
Moroccan, bgs. .....lb. .06½- .07
Syrian, bgs. .....lb. .06½- .07
Ferric-ammonium citrate (see Iron ammonium citrate)
Ferric cacodylate (see Iron cacodylate)
Ferric glycerophosphate (see Iron-glycerophosphate)
Ferric hypophosphite (see Iron hypophosphite)
Ferric sulphate (see Iron sulphate-ferric)
Film scrap, colored, cs., works lb. .18 - —
water-white, cs., works.....lb. .20 - —
Fir balsam, Canada, cns.....gal.31.50 -32.50
Oregon, bbls. .....gal. 2.55 - 3.25
Fishberries, bgs.....lb. .18 - .20
Fishliver oil (see Oil, fishliver).
Fishmeal, ground, 60% protein bgs., Balto area..ton.125.00 - —
Fishscrap, dried 60% protein bulk, Balto area..ton.115.00 - —
Fluorspar, acid grade, bulk, c.l., mine..ton.48.50 -50.00
ceramic grade, 95-98% CaF_2 grd., bulk, mine, c.l..ton.47.00 -48.00
85% CaF_2, grd., bulk, mine. ton.41.50 - —
Fluorspar, metallurgical grade, foundry, lump, 55-60% effective CaF_2, bulk, mine, c.l. ton.38.00 - —
washed gravel, 59-60% effective CaF_2, bulk, mine, c.l. ton.38.00 -40.00
60-65% effective CaF_2, bulk, mine .ton.39.00 - —
65-70% effective CaF_2, bulk, mine, c.l .ton.40.00 - —
70% or better effective CaF_2, bulk, mine, c.l ton.41.00 -43.00
imported, bulk, ex dock, New York ton.37.00 - —
Formaldehyde, USP (inhibited), dms, c.l., E. works lb. .0625- .0675
l.c.l., E. works .....lb. .0675- .0725
tanks, E. works .....lb. .0420- .045
Methanol-free (uninhibited), tanks, works..lb. .0395- .0425
Tankcar and tankwagon prices above are on a delivered basis in New England, Eastern New York, N. J., Eastern Penna. and part of Delaware. In states other than Eastern Seaboard as well as W. of Rockies, prices f.o.b. Texas plants, are .0270 for inhibited and .0245 for uninhibited.
Fleaseed (see Psyllium seed)
Fringetree bark, bls.....lb. .55 - .62
Fuller's earth, dom., powd., bgs, c.l., Fla., Ga., mines ton.38.50 - —
Illinois mines.....ton.37.20 - —
spent, bulk, Bayonne ton 2.00 - 4.00
imported, bgs. c.l ton.30.00 -40.00
Furfural, tech., dms., c.l., works lb. .12 - —
l.c.l. works .. lb. .14 - —
tanks works lb. 09½- —
Fusel oil, refined, dms., c.l., divd.lb. .28¾- .29¾
l.c.l. divd. .....lb. .29¾- .30¾
tanks, divd. .....lb. .27 - .28
Fustic extract, cryst., No. 1, bbls., l.c.l lb. .47½- —
No. 2, bbls., l.c.l. .....lb. .45½- —
No. 3, bbls., l.c.l. .....lb. .43½- —
liquid, No. 1, bbls., l.c.l. ....lb. .22½- —
No. 2, bbls., l.c.l. .....lb. .21½- —
No. 3, bbls., l.c.l. .....lb. .19 - —
solid, No. 1, bxs., l.c.l. .....lb. .45 - —

G

G salt, bbls. frt alld.....lb. .73 - —
Galangal root, bls.....lb. .20 - .30

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presents

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Pregnant Mare Serum Gonadotropin

DIGITOXIN, crystalline, CODEX (U.S.P.)
Digitonin • Emetine Hydrochloride U.S.P.
Esculoside • Ouabain U.S.P.

NUCLEIC ACID • SODIUM NUCLEATE
Adenosine • Asparagine • Hematoporphyrin

PEPTONES (bacteriologic and pancreatic)
Diastase • Pancreatin U.S.P.

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Choline (bitartrate, dihydrogen citrate, and hydrochloride)
l-Histidine • Sodium Gentisate • Sulfamethazine

SODIUM *p*-AMINOSALICYLATE (PAS)
Calcium *p*-Aminosalicylate
dl-Threonine • *l*-Tyrosine • *dl*-Tryptophan

CALCIFEROL U.S.P. (crystalline vitamin D_2)

Gammapicoline 85% dms., c.l., works	lb.	1.00 - 1.05
Gasoline, at refinery, ex tax, Arkansas 80 octane tanks	gal.	.1075- —
N. Y. Harbor, 86 octane, tanks	gal.	.1285- .136
Group 3, 82 octane tanks	gal.	.10375- .1075
Gulf coast, 82 octane tanks	gal.	.105 - .11
Pennsylvania, western U. S. motor 86 octane tanks	gal.	.1275- .13
natural 26-70 octane group 3, tanks	gal.	.06875- —
Gelatin, silver label, imported, cs	lb.	1.25 - —
Geisemium root, bls	lb.	.30 - .32
Gentian root, bls	lb.	.15 - .22
grd., bbls., bxs	lb.	.19 - .26
powd., bbls., bxs	lb.	.20 - .27
Geraniol, extra, cns., dms	lb.	3.80 - 4.15
prime, cns., dms	lb.	3.20 - 3.95
Geranyl acetate, cns	lb.	3.75 - 4.13
Ginger, oleoresin, NF, from African root, bots	lb.	7.00 - 9.50
root, African, bls	lb.	.36 - .36½
Cochin, unbleached, bgs., afloat	lb.	.45 - .46
Jamaica, No. 1, bgs	lb.	.64 - .65
No. 2, bgs	lb.	.62 - .62½
No. 3, bgs	lb.	.61 - .62
Rhattoon, bgs	lb.	.57 - .58
Nigerian, split, bgs	lb.	.35 - .36
Ginseng root cs	lb.	13.00 -16.00
Glauber's salt, annyd. (see Sodium sulphate).		
cryst., bgs., c.l., works, frt. alld.	ton.	45.00 - —
l.c.l., works	ton.	50.00 - —
Glue, bone, calcium type 24 millipoise, 40 jellygrams, bgs., c.l., East of Midwest	lb.	.22 - —
65 jellygrams, bgs., c.l., same basis	lb.	.24 - —
80 jellygrams, bgs., c.l., same basis	lb.	.26 - —
110 jellygrams, bgs., c.l., same basis	lb.	.27 - —
130 jellygrams, bgs., c.l., same basis	lb.	.28 - —
over 150 jellygrams, bgs., c.l., same basis	lb.	.29 - —
Bone glue, l.c.l., 1c. per lb. higher than c.l.		
ground, 50-55 jellygrams, bgs., c.l. (50,000 lbs.), dlvd	lb.	.25½- —
l.c.l., dlvd	lb.	.26½- —
Hide, 100-121 (jellygrams), bgs., c.l., dlvd	lb.	.26 - .30
122-149, bgs., c.l., dlvd	lb.	.27 - .32
150-177, bgs., c.l., dlvd	lb.	.28 - .33
178-206, bgs., c.l., dlvd	lb.	.29 - .35
207-236, bgs., c.l., dlvd	lb.	.30 - .36
237-266, bgs., c.l., dlvd	lb.	.31 - .37
267-296, bgs., c.l., dlvd	lb.	.32 - .38
299-330, bgs., c.l., dlvd	lb.	.33 - .39
331-362, bgs., c.l., dlvd	lb.	.34 - .39
363-394, bgs., c.l., dlvd	lb.	.35 - .40
395-427, bgs., c.l., dlvd	lb.	.36 - .41
428-460, bgs., c.l., dlvd	lb.	.37 - .42½
461-494, bgs., c.l., dlvd	lb.	.38 - .44
495-529, bgs., c.l., dlvd	lb.	.39 - .45
Hide glue, l.c.l., prices 1c. higher than c.l. bbls. ½c. more than bgs.		
Glycerin, crude, saponification, 88%, to refiners, tanks, dlvd	lb.	.46 - .54
soaplye, 80%, tanks, dlvd	lb.	.40 - .50
dynamite, dms., c.l., dlvd	lb.	.54 - .58
l.c.l., dlvd	lb.	.54½- .58½
tanks, dlvd	lb.	.53½- .57½
high gravity, dms., c.l., dlvd	lb.	.54¼- .58
l.c.l., dlvd	lb.	.54¾- .58½
tanks, dlvd	lb.	.53¾- .57½
refined, BP, 98%, dms., c.l., dlvd	lb.	.55½- .60
l.c.l., dlvd	lb.	.56 - .60½
tanks, dlvd	lb.	.55 - .59½
USP, c.p., 95%, dms., c.l., dlvd.	lb.	.54¾- .58½
l.c.l., dlvd	lb.	.55½- .59
tanks, dlvd	lb.	.54¼- .58
yellow, distilled, dms., c.l., dlvd.	lb.	.54½- .57½
l.c.l., dlvd	lb.	.54¾- .58½
tanks, dlvd	lb.	.53¾- .57½
Glycine, USP, (see Acid aminoacetic)		
Glyoxal, 30%, dms., c.l., works	lb.	.18½- —
l.c.l., works	lb.	.19 - —
tanks, works	lb.	.18 - —
Gold chloride, acid-brown, bots.	oz.	23.50 -24.00
acid-yellow, bots	oz.	21.00 -21.50
Gold of pleasure seed bgs., futures	lb.	.13 - .13⅛
Goldenseal root, bls	lb.	3.75 - 4.25
powd., bxs.	lb.	4.25 - 4.75
Gold-sodium chloride, photo, bots.	oz.	13.00 -14.00
USP IX, bots	oz.	14.50 -15.50
Grains of paradise, bgs	lb.	.39 - .40
Graphite, imported, amorph., powd., bgs., dlvd	lb.	No prices.
crystalline, 88-90% powd., bgs., ex whse	lb.	No prices.
90-92%, powd., bgs., ex whse,	lb.	No prices.
97%, powd., bgs., ex whse	lb.	No prices.
flake, No. 1 90-95%, bgs., ctns., ex whse	lb.	No prices.
No. 2, bgs. whse	lb.	No prices.
Grease, brown, loose, works	lb.	.11½- —
house, works	lb.*	.13½- —
white, A, works	lb.*	.14¾- —
B, works	lb.*	.14¾- —
choice, works	lb.*	.14¼- —
yellow, works	lb.	.12½- —

* Indicates OPS ceilings.

Green, brilliant, thioflavin, toner, molybdated, PMA, kgs., works	lb.	4.50 - —
tungstated, PTMA, kgs., works	lb.	5.75 - —
Chrome, CP, dark, light medium, blue content up to 5% bbls., dlvd. N. of Tenn. and N. C. E. of Miss., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis	lb.	.38 - —
6-10%, bbls., same basis	lb.	.39 - —
11-15%, bbls., same basis	lb.	.40 - —
16-20%, bbls., same basis	lb.	.40½- —
21-25%, bbls., same basis	lb.	.41¼- —
26-30%, bbls., same basis	lb.	.41¾- —
31-35%, bbls., same basis	lb.	.42¾- —
36-40%, bbls., same basis	lb.	.44½- —
41-45%, bbls., same basis	lb.	.46 - —
46-50%, bbls., same basis.	lb.	.47¾- —
50% and over, bbls., same basis	lb.	.48¾- —
reduced color, 25%, bbls., same basis	lb.	.17 - .17¼

Chrome green prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1½c.); Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.); Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1c. higher dlvd Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago.

Green, chromium oxide, hydrated, l.c.l., bbls., dms., frt. alld	lb.	.95 - 1.20
pure, c.l., bgs., frt. alld	lb.	.37½- .44
Dyes (see Dyes, coaltar).		
Emerald, malachite toner, tungstic, PTMA, bbls., works	lb.	4.50 - 5.50
Marine toner, thioflavin malachite, molybdated, PMA, bbls., works	lb.	4.25 - —
tungstated, PTMA, kgs.	lb.	5.00 - —
Paris (see P).		
Phthalocyanin toner, bbls., works,	lb.	4.40 - —
resinated	lb.	4.00 - —
water dispersable	lb.	1.71 - —
Pigment B, kegs	lb.	1.35 - —
Grindelia robusta herb, bls	lb.	.21 - .23
Guaiac resin, NF, cs	lb.	.60 - .65
ordinary, cs	lb.	.49 - .51
Guaiacol, cryst., tins	lb.	1.90 - —
Liquid, NF, bots., cbys	lb.	2.15 - 2.20
Guaiacol carbonate, dms	lb.	3.15 - 3.20
Guarana, powd., cs	lb.	1.50 - 1.75
Gum accroides (see Gum yacca)		
Aloe (see A.).		
Ammoniac tears, cs	lb.	.40 - .50
Arabic, amber, sorts, bgs	lb.	.15 - .16
powdered, USP, bbls	lb.	.21 - .22
Asafetida (see A).		
Asphaltum (see A).		
Benzoin, Sumatra, cs	lb.	.45 - .50
Camphor (see C).		
Cellulose, bgs 23,000 lbs. or more, works, frt. alld	lb.	.60 - —
smaller lots, same basis	lb.	.62 - —
Copal, Congo, No. 1, bgs	lb.	.25 - .27
No. 2, bgs	lb.	.20 - .22
No. 3, bgs	lb.	.17½- .19¼

Gum, copal, Manila, loba B, bgs	lb.	No prices.
C, bgs	lb.	.32 - .33
CBB, bgs	lb.	.27 - .28
CNE, bgs	lb.	No prices.
DBB, bgs	lb.	.27 - .28
DK, bgs	lb.	.22 - .24
dust, bgs	lb.	.12½- .13½
soft, MA, bgs	lb.	.25 - .26
WS, bgs	lb.	No prices.
Philippine, pale, chips, bgs	lb.	.27 - .28
nubs, bgs	lb.	.32 - .33
seeds, bgs	lb.	.20 - .21
sorts, bgs	lb.	.24 - .25
Pontianak, chips, bgs	lb.	.26 - .27
nubs, bgs	lb.	.40 - .41
Dammar, Batavia, A/E, bgs	lb.	.23 - .25
dust, bgs	lb.	.08 - .10
E, bgs	lb.	.14 - .15
East India, bales, bold, bgs	lb.	.13½- .14½
nubs and chips, bgs	lb.	.08 - .10
black, bold, bgs	lb.	.13½- .14½
unscraped bgs	lb.	.11 - .12
nubs and chips, bgs	lb.	.10 - .11
pale, chips, bgs	lb.	.14 - .16
nubs, bgs	lb.	.23 - .26
Singapore, No. 1, bgs	lb.	.34 - .36
No. 2, bgs	lb.	.23 - .25
No. 3, bgs	lb.	.09½- .11
dust, bgs	lb.	.09½- .11
seeds, bgs	lb.	.12½- .13½
Elemi, cns	lb.	.24 - .26
Ester, gum-rosin type, dms., c.l., dlvd, fll., Ind., Ky., Mich., Mid-Atl. States, N.E. States, Minneapolis, N. C., Ohio, St. Louis, St. Paul, Va., W. Va	lb.	.20½- —
wood-rosin type, dms. c.l., dlvd, Ill., Ind., etc	lb.	.20½- —

Gum, euphorbium, cs	lb.	.20 - .28
Galbanum, cs	lb.	.75 - .80
Gamboge, pipe, cs	lb.	.75 - .80
powd., bbls	lb.	.90 - 1.00
Ghatti, No 2, bgs	lb	35 - 37
No 3, bgs	lb	.31 - .33
Guaiac (see Guaiac resin).		
Karaya, powd., No. 1, bbls	lb.	.55 - .65
No. 2, bbls	lb.	.49 - .50
No. 3, bbls	lb.	.44 - .45
Kauri, bgs	lb.	.31½- .32¾
Locust bean, powd., bgs	lb.	44 - 50
Mastic, cs	lb.	1.65 - 1.70
Mastic, cs	lb.	1.60 - 1.65
Olibanum, siftings, cs	lb.	.16 - .18
tears, cs	lb.	.20 - .30
Opium (see O).		
Red (Gum yacca).		
Rosin (see R).		
Sandarac, cks	lb.	No stocks.
Scammony, cs	lb.	1.50 - 1.55
Sterculia (see Gum karaya).		
Talha bgs	lb	10 - 11
Tragacanth, No. 1, cs	lb.	3.90 - 5.00
No 2, cs	lb	3.50 - 4.00
No. 3, cs	lb	2.75 - 3.50
powdered, USP, bbls	lb.	1.25 - 1.35
Yacca, bgs	lb.	.06 - —

Gypsum, Keene's cement, paper bgs. c.l. Acme, Tex. frt equald ton. 22.65 - —
Harlem river N. Y., frt equald ton. 23.25 - —
Medicine Lodge, Kan., frt. equald ton. 17.00 - —
New Brighton N. Y., frt. equald ton. 30.65 - —
Southard Okla. frt. equald. ton. 17.00 - —
Sweetwater, Tex., frt equald ton. 21.45 - —

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A versatile industrial chemical for use in:

Antifreeze — Industrial explosives
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ETHYLENE OXIDE
DIETHYLENE GLYCOL
ETHYLENE DICHLORIDE
ETHYLENE GLYCOL

Gypsum, Plaster of Paris—Kola Nuts

Gypsum, plaster of paris, Acme, Texas, frt. equald....ton.12.50 • —
Blue Rapids, Kans., frt. equald ton.10.50 • —
Harlem river, N. Y., frt. equald ton.12.00 • —
Medicine Lodge, Kan., frt. equald ton.12.50 • —
New Brighton, N. Y., frt. equald ton.18.00 • —
Saltville, Va., frt equald ton 9.00 • —
Southard, Okla., frt. equald, ton.12.50 • —
Sweetwater Tex. frt equald ton 12.50 • —
Stucco, paper bgs., c.l., Akron, N. Y., frt. equald....ton. 8.00 • —
Blue Rapids Kans., frt. equald ton 8.00 • —
Clarence Center, N. Y. frt. equald ton. 8.00 • —
Fort Dodge, Iowa, frt. equald. ton. 8.00 • —
Gypsum, Ohio, frt. equald ton. 8.00 • —
Grand Rapids, Mich., frt. equald..ton. 8.00 • —
Harlem river N. Y. frt equald ton 8.00 • —
National City, Mich., frt. equald ton 8.00 • —
New Brighton N. Y., frt. equald ton 8.00 • —
Plasterco, Ga., frt. equald ton 8.00 • —
Portsmouth, N. H., frt. equald ton 8.00 • —
Roton, Texas, frt. equald.. ton. 8.00 • —
Saltville, Va., frt. equald ton. 9.00 • —

Gypsum, stucco, paper bgs., Southard, Okla., frt. equald.ton. 8.00 • —
Sweetwater, Texas, frt. equald ton. 8.00 • —
Terra alba, paper bags, c.l., Harlem River, N.Y., works. ton.22.50 • —
New Brighton, N. Y., works ton.21.00 • —

H

Hawthorn berries, bgs.....lb. .35 • .40
Heliotropin, cryst., cns.....lb. 3.40 • 3.65
Hellebore root, dom., green, bls..lb. .90 • .95
imp., black, whole bls.....lb. .25 • .30
ground, bxs.....lb. .30 • .35
powder, bxs.....lb. .32 • .37
white, whole, bls.....lb. .25 • .30
powder bxs.....lb. .35 • .45
Helonias root, bls.....lb. 1.85 • 2.10
Hematine, extract, cryst., No. 1, bbls., l.c.l lb. .47 • —
No. 2, bbls. l.c.l.....lb. .43 • —
No. 3, bbls., l.c.l.....lb. .41 • —
No. 4, bbls. l.c.l.....lb. .39 • —
No. 5, bbls., l.c.l.....lb. .37 • —
paste No. 1 bbls., l.c.l. ....lb. .20½- —
Henbane leaves, bls.....lb. .30 • .35
Henna leaves, bls .....lb. .23 • .25
powd., bbls., bgs. .....lb. .25 • .29
Heptane, industrial, Bayonne, N. J., tanks gal. .18 • —
group 3, tanks..... gal. .1375- .1405

Hesperidine methylchalcone, bots., works lb.50.00 • —
Hexachlorophene, dms.....lb. 2.60 • —
Hexalin (see Cyclohexanol).
Hexamethylenetetramine, tech., bgs., c.l., Perth Amboy or N.Y.C. lb. .24 • —
l.c.l., same basis.....lb. .26 • —
bbls., c.l., same basis.....lb. .24½- —
l.c.l., same basis.....lb. .26½- —
USP, dms., 500 lbs. or more, same basis lb. .40½- —
smaller lots, same basis....lb. .41½- —
Hexamine (see Hexamethylene tetramine).
Hexane, industrial, Bayonne, N. J., tanks..gal. .18 • —
Group 3, tanks .....gal. .145 • .148
Hexanol, normal, dms., c.l., works. lb. .32½- —
l.c.l., works .....lb. .33 • —
tanks, works .....lb. .31 • —
Hexyl cinnamic aldehyde, dms..lb. 2.25 • —
Salicylate, dms. .....lb. 1.75 • —
Hexyleneglycol, dms., c.l., dlvd. lb. .15¾- —
l.c.l., dlvd. .....lb. .16½- —
tanks, dlvd. .....lb. .14 • —
Hexylmethacrylate, normal, dms., less than truckload, works. lb. .71 • —
Hexylresorcinol, USP, dms., 50 lbs. up, frt. alld .....lb.17.00 • —
works .....lb.16.00 -17.00
smaller lots, frt. alld.....lb.18.00 • —
works .....lb.18.00 -20.00
Histamine diphosphate, USP, bots kilo.450.00 • —
Histidine hydrochloride—laevo, NF, fib. dms., 50 kilo lots, works kilo.100.00 -120.00
1-5 kilos, works.....kilo.110.00 -130.00

Homatropine hydrobromide, USP, bots..oz.13.75 -13.85
Hydrochloride, bots oz.20.00 -22.00
Methylbromide, USP, bots.....oz.13.00 -16.25
Hoof meal, 17-18% ammonia, bulk, c.l., Chicago..unit-ton. 7.00 • —
Hops, NF, bls.....lb. .35 • .40
Horehound herb, bls.....lb. .15 • .18
Hydrangea root, bls.....lb. .22 • .25
Hydrastine, bots.....oz.31.00 -37.00
Hydrochloride, NF, bots.....oz.29.50 -36.00
Sulphate, bots .....oz.35.00 -37.00
Hydrastinine, 10-grain bots....bot. 1.95 • —
Hydrastis (see Goldenseal).
Hydrofuramide, dms. fib. cans., works lb. .30 • .40
Hydrogen chloride, anhyd., 50-lb. cyl., works..lb. .55 • .60
Peroxide, USP, bbls., dlvd.....lb. .03¾- .05
35%, cbys., same basis.....lb. .23½- .26½
dms., c.l., same basis.....lb. .21½- —
l.c.l., same basis .....lb. .22 • .26½
tanks .....lb. .20¾- —
Hydrogen peroxide prices on W. Coast, 2c. per lb. higher.
Hydroquinone, photographic grade, bbls., dms..lb. .90 • —
tech. dms. frt. equald. .....lb. .73 • .79
Hydroxycitronellal, cns.....lb. 8.60 -10.50
Hyoscin salts (see Scopolamine).
Hyoscyamine, bots.....oz.15.75 -16.00
Hydrobromide, bots. .....oz.16.50 -18.00
Sulphate, bots.....oz.12.50 -13.00
Hypernic extract, cryst., No. 2, bbls., l.c.l..lb. .52 • —
liquid, No. 1, bbls., l.c.l.....lb. .35 • —
No. 2, bbls., l.c.l.....lb. .27 • —
Hyssop herb, bgs.....lb. .40 • .45
Leaves, bgs.....lb. .50 • .55

I

Iceland moss, bgs.....lb. .30 • .35
Ichthammol, NF, dms.....lb. .60 • .75
Indian red (see Red, Indian).
Indigo, nat., chests .....lb. 2.14 • 2.16
synth., paste, 20%, bbls.....lb. .28 • .28½
Indol, CP, bots.....lb.17.50 -21.00
Inositol, dms., dlvd.....lb. 4.90 • —
tins, dlvd.....lb. 5.00 • —
Insect flowers (see Pyrethrum).
Iodine, crude, kgs.....lb. 1.70 • 1.90
resubl., USP, bots., jars.....lb. 2.55 • 2.78
Iodochlorohydroxyquinolin, NF, dms. lb. 6.50 • —
Iodoform, NF, dms., kgs.....lb. 4.70 • 4.85
Ionone, alpha, cans.....lb. 8.60 -17.00
Beta, cans .....lb. 8.60 -11.50
Methyl, dms., cns.....lb. 7.00 -10.50
Ipecac root, bgs.....lb. 6.00 • 7.00
powd., bbls., bxs.....lb. 6.40 • 7.50
Irish moss, bleached, prime, bls..lb. .28 • .30
Iron acetate, liquor, 28° bbls., c.l., works lb. .09 • —
l.c.l., works.....lb. .09¾- —
solut., USP IX, cbys.....lb. .16 • —
dms. .....lb. .17 • —
Cacodylate, NF, bots.....lb.13.50 -14.50
Chloride (ferric), anhydr., tech., dms., c.l., works 100 lbs. 6.25 • —
l.c.l., works.....100 lbs. 7.50 • —
cryst., tech., c.l., bbls., works. 100 lbs. 5.25 • 6.25
l.c.l., bbls., works..100 lbs. 5.75 • 6.25
USP, dms., works.....lb. .07½- .09
solut., 42° Be. 100% basis, tanks, works..100 lbs. 3.45 • —
Citrate, gran., dms.....lb. .77 • .80
Gluconate, NF, dms.....lb. .83 • .95
Glycerophosphate, N.F., powd..lb. 4.45 • 4.55
Hypophosphite, NF, dms.....lb. 2.80 • —
Iodide, bgs.....lb. 3.66 • 3.73
Naphthenate, liq., 6% Fe, dms., frt. alld lb. .24¼- —
Oxalate, gran., dms.....lb. .83 • .85
Phosphate, soluble, NF, gran., pearls, cs lb. .64 • .65
Pyrophosphate soluble, NF VII, gran., pearls, dms..lb. .78 • .91
Reduced, NF, kgs.....lb. .90 • .95
Resinate, 7.4% Fe, dms., frt. alld. lb. .26½- —
Stearate, dms., c.l.....lb. .46 • —
ton lots .....lb. .47 • —
less ton lots .....lb. .48 • —
Sulphate, partially hydrated, bgs., c.l., works..ton.30.00 • —
l.c.l., works .....ton.31.00 • —
ferrous, tech. (see Copperas)
USP, cryst., bbls., dms.....lb. .09½- .10
Iron by hydrogen (see Iron, Reduced).
Iron-ammonium citrate, green, NF, gran., dms..lb. .55 • .58
brown, USP, gran., dms....lb. .55 • .58
Oxalate, dms.....lb. .25¼- .28¼
Iron-potassium, oxalate, fine gran. dms lb. .30½- .33½
Iron-sodium, oxalate, fine gran. dms lb. .25½- .28½
Isoborneol, cns. .....lb. 1.25 • 1.70
Isobornyl acetate, cns.....lb. .75 • .97
Propionate, dms.....lb. 1.15 • 1.50
Isobutyl acetate, cns.....lb. .75 • .97
Methacrylate, dms., works.....lb. .60 • —
Propionate, cns .....lb. No prices.
Isobutyraldehyde, dms., works...lb. .50 • .53
Isoeugenol, cns. .....lb. 4.50 • 4.75
Isopentane, dms., works.....lb. .43 • .55
Isophorone, dms., c.l., works....lb. .24¼- —
l.c.l., works.....lb. .24¾- —
tanks, works.....lb. .22½- —
Isopropanol (see Alcohol, Isopropyl).
Isopropyl acetate, dms., c.l., frt. alld. lb. .14¼- .14¾
l.c.l., same basis.....lb. .15 • .15⅛
tanks, same basis.....lb. .12½- .13
Alcohol (see Alcohol, Isopropyl).
Benzene (see Cumene).
Ether (see Ether, Isopropyl).
Isopropylamine (see Monoisopropylamine).
Isoquinoline, dms., works.....lb. .60 • 1.25

J

Jaborandi leaves, bls.....lb. .15 • .20
Jalap root, NF, bls.....lb. .43 • .45
powd., bbls., bxs.....lb. .48 • .50
Juniper berries, bgs.....lb. .14 • .18
Tar, NF, dms.....lb. .42 • .65

K

Kamala, powd., cns.....lb. .80 • .90
Kaolin (see China clay).
Kava kava root, bls .....lb. .35 • .39
Kerosene, at refinery, Ark., 42-44 specific gravity, w.w. tanks, gal. .09375- —
California, 40-42 s.g., w.w., tanks..gal. .120 • .19
Gulf ports, 41-43 s.g., w.w., tanks. gal. .09 • .0928
N. Y. Harbor, 44-46 s.g. w.w., tanks..gal. .101 • —
Okla.-Tex., 41-43 s.g., w.w., tanks gal. .0925- .09628
Penn., Western, 43 s.g., w.w., tanks..gal. .11 • —
Kola nuts, bgs.....lb. .09 • .10

Meet these Rigid Government Paint Specs...*with these U.S.I. resins*

JAN-L-73 LACQUER ENAMEL, LUSTRELESS	
Grades I, II, III	AROPLAZ 945-X-65
(Current revision to hot spray type will also utilize AROPLAZ 945)	
JAN-E-74 ENAMEL, LUSTRELESS, QUICK DRYING (non lifting to lacquer)	
GRADE I, Non-Infrared Reflecting	AROPLAZ 663-X-50
GRADE II, Infrared Reflecting (Olive Drab only)	AROPLAZ 663-X-50
GRADE III, Oil Resisting Non-Infrared Reflecting	AROPLAZ 663-X-50
MIL-P-6889A PRIMER, ZINC CHROMATE	
Types I and II	AROPLAZ 1365-X-60
MIL-E-10687 (Ordnance) ENAMEL, LUSTRELESS, QUICK DRYING	
WHITE; BLACK #301; BLUE #307; RED #314; YELLOW #316; OLIVE DRAB #319; GREEN #322; BLUE GRAY #331	AROPOL 865-P-60 (for grind) AROPOL 880-X-50 (for let down)
MIL-E-15090, ENAMEL, EQUIPMENT Lt. Gray (FORMULA III)	
Type I, Medium air-drying, Class 1 gloss and Class 2 semi-gloss	AROPLAZ 1240-M-70
Type II, Fast air-drying, Class 1 gloss and Class 2 semi-gloss	AROPLAZ 663-X-50
Type III, Baking, Class 1 gloss and Class 2 semi-gloss	AROPLAZ 1136-X-50

New government specifications for finishes used on ammunition, military aircraft, and other defense items require *special resins* with really exacting performance characteristics. You'll find the resins to meet or exceed these new, more rigid specifications in U.S.I.'s "Complete Resin Line"—because U.S.I. is constantly adding new, specialized resins to the line . . . keeping abreast of the latest developments in the protective coatings industry through continual forward-looking research.

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Kyanite, imp., 60% alumina, low iron content, 10-mesh, bulk, whse. ton.95.00 -100.00
calcined, grain, 10-mesh, whse. ton.95.00 -105.00

L

Lady slipper root, bls. lb. 1.50 - 1.55
Lanolin, USP, dms., works. lb. .34 - .38
Anhydrous, cosmetic, dms., works lb. .36 - .40
USP, dms., works. lb. .35 - .39
Lard, cash, trcs., Chicago. lb. .17¾ Nom.
Larkspur seed, bgs. lb. .20 - .25
Laurel berries, bgs. lb. .25 - .26
Laurel leaves, Greek, bls. lb. 10½ - .12
Portuguese, bls. lb. .09½ - .10
Turkish, bls. lb. No prices.
Lauryl chloride, dms., works, frt. equald. lb. .75 - —
Methacrylate, normal, dms., less than truckload, works lb. 1.00 - —
Lavender flowers, medium, bls. lb. .55 - .60
ordinary, bls. lb. .16 - .20
select, bls. lb. .60 - .65
Lead acetate, white, crystals, bbls., lb. .22 - —
gran., bbls. lb. .23 - —
powd., bbls. lb. .23 - —
NF, cryst., dms. lb. .32 - —
gran., powd., dms. lb. .32 - —
Arsenate, dealers, basic powder, 3-lb. bgs., or larger, c.l., frt. alld. on 96 lbs. or over. lb. .28¾ - —
l.c.l., frt. alld. lb. .29¾ - —
1-lb bgs., c.l. lb. .42 - —
l.c.l. lb. .43 - —
Blue, basic sulphate, bbls., c.l., ship't point, frt. alld. lb. .17¾ - —
l.c.l., works lb. .18¾ - —
Carbonate (see Lead, white).
Chloride, dms. lb. .39 - —
Iodine, NF, V jars. lb. 3.82 - —
Linoleate, precip., 26.15%, dms lb. .34½ - —
Metal, pigs, prime, N. Y. lb. .17 - —
St. Louis lb. .1680 - —
Metallic, paste, dms., 20,000-40,000 lbs., works lb. .34½ - —
10,000-20,000 lbs., same basis. lb. .35 - —
2,000-10,000 lbs., same basis lb. .35½ - —
200 to 2,000 lbs., same basis lb. .36 - —
Prices ex whse., Jersey City, N. J. 4½c. per pound higher.
Naphthenate, liquid, 16% Pb, dms., dlvd. lb. .17¾ - —
24% Pb, dms., dlvd. lb. .24¼ - —
37% Pb, dms., dlvd. lb. .31¾ - —
Nitrate, bbls., c.l. lb. .22 - —
l.c.l. lb. .22¼ - —
Oleate, fused, bbls. lb. .24 - —
Orthosilicate gel, 50% PbO, dms., works lb. .31¾ - —
60% PbO dms., works lb. .30¼ - —
Peroxide, powd., tech., bbls. lb. .41 - .43
Phthalate, dibasic, dms., works. lb. .42½ - —
Red, 95% Pb_3O_4 or less, bbls., c.l., ship't point, frt. alld. lb. .19¾ - .20½
l.c.l., same basis. lb. .20¾ - .21½
97% PB_3O_4, bbls., c.l., same basis. lb. .20 - .20¾
l.c.l., same basis. lb. .21 - .21¾
98% Pb_3O_4, bbls., c.l., same basis. lb. .20¼ - .21
l.c.l., same basis. lb. .21¼ - .22
Resinate, precip., dms., dlvd. lb. .28½ - —
Salicylate, normal, dms., works. lb. .47¾ - —
Silicate, bgs., l.c.l., ship't pt., frt. alld. lb. .1805 - .1875
Stearate, dibasic, dms., works. lb. .58 - .60
precip., bbls., c.l. lb. .48 - —
ton lots lb. .49 - —
less ton lots lb. .50 - —
Sulphate (see Lead, blue; Lead, white; basic sulphate)
tribasic, dms. works. lb. .27½ - —
Tallate, liquid, 16% Pb, dms. lb. .15½ - —
24% Pb, dms. lb. .21 - —
White, basic carbonate, bgs., c.l., ship't point, frt. alld. lb. .18½ - —
l.c.l., same basis lb. .19½ - —
basic silicate, bgs., c.l., ship't point, frt. alld. lb. .16¼ - .21¼
l.c.l., same basis lb. .17¼ - .22¼
basic sulphate, bgs., c.l., ship't point, frt. alld. lb. .17¾ - —
l.c.l., same basis lb. .18¾ - —
Lecithin, edible, tech. bleached dms., non-ret., c.l., works. lb. .20 - —
l.c.l., same basis. lb. .21 - —
unbleached, c.l., same basis. lb. .19 - —
l.c.l., same basis. lb. .20 - —
Lemon peel, bls. lb. .20 - .22
Leucine dextro-laevo, dms., works. lb. 12.25 - 15.00
Licorice extract, mass, cns. lb. .25 - .27
powd., bbls. lb. .35 - —
Root, bls. lb. .08 - .09
5-lb. bundles, cs. lb. .40 - .45
powd., bbl. lb. .11 - .12
Lignin extract, tanning grade, bgs., c.l., works lb. .05¼ - .06½
Lime, agricultural, bgs., works ton.23.00 - 13.50
Chemical (quicklime), lump, pebble, bulk, Adams, Mass ton.10.00 - —
Annville, Pa. ton.11.50 - —
Bellefonte, Pa. ton.11.50 - —
Buffalo, N. Y. ton.11.00 - —
Carey, Ohio. ton. 7.00 - —
Cedar Hollow, Pa. ton.11.50 - —
Farnams, Mass. ton.14.00 - —
Gibsonburg, Ohio ton.10.00 - —
Hannibal, Mo. ton.10.25 - —
Keystone, Ala. ton.10.25 - —
Kimballton, Va. ton.10.25 - —
Knoxville, Tenn. ton.10.50 - —
Limedale, Ark. ton.10.15 - —
Longview, Ark. ton.10.25 - —
Martinsburg, W. Va. ton.11.00 - —
Menominee, Mich. ton. 8.00 - —
Mitchell, Ind. ton. 7.50 - —
Rockland, Maine ton. 9.00 - —
Scioto, Ohio ton. 7.50 - —
Woodville, Ohio ton.10.50 - —
York, Pa. ton.11.50 - —
Hydrated, paper bgs., Adams, Mass ton.14.00 - —
Annville, Pa. ton.14.50 - —
Bellefonte, Pa. ton.14.50 - —
Buffalo, N. Y. ton.14.00 - —
Cedar Hollow, Pa. ton.14.50 - —
Engle, W. Va. ton.14.50 - —
Farnams, Mass ton.14.00 - —
Gibsonburg, Ohio ton.14.50 - —
Hannibal, Mo. ton.12.50 - —
Keystone, Ala. ton.13.50 - —
Kimballton, Va. ton.13.50 - —
Knoxville, Tenn. ton.13.00 - —
Limedale, Ark. ton.11.50 - —
Longview, Ala. ton.13.50 - —
Maustique, Mich. ton. 8.50 - —
Marblehead, Ohio ton.10.50 - —
Mitchell, Ind. ton.10.00 - —
Petoskey, Mich. ton.10.00 - —
Port Island, Mich. ton. 9.00 - —
Rapid City S. Dak. ton.12.00 - —
Rockland, Maine ton.11.50 - —
Scioto, Ohio ton. 9.00 - —
Sherwood, Wis. ton.10.00 - —
Springfield, Mo. ton. 9.00 - —
Woodville, Ohio ton.15.00 - —
York, Pa. ton.14.50 - —
Spray, paper bgs., Adams, Mass. ton.11.70 - —
Annville, Pa. ton.17.50 - —
Bellefonte, Pa. ton.16.50 - —
Carey, Ohio. ton.11.00 - —
Lime, spray, paper bgs., Engle, W. Va. ton.14.50 - —
Farnams, Mass. ton.14.00 - —
Gibsonburg, Ohio ton.16.50 - —
Kimballton, Va. ton.13.50 - —
Marblehead, Ohio ton.10.00 - —
Rockland, Me. ton.10.00 - —
Scioto, Ohio ton.10.00 - —
Woodville, Ohio ton.15.00 - —
York, Pa. ton.15.50 - —
Lime salts (see Calcium).
Lime-ammonia-nitrogen, 20.5% N (see Ammonium nitrate with dolomite).
Limestone, grd., bgs., works. ton. 3.50 - 4.00
Linalool, ex bois de rose, dms. lb. 6.75 - 7.10
ex lignaloe wood, dms. lb. 6.50 - 7.10
Linalyl acetate, ex bois de rose, 90-92%, dms. lb. 6.75 - 7.05
96-98%, dms. lb. 7.20 - 8.00
ex petitgrain, bots. lb. 5.00 - 6.00
Lindane, 25% formulation, cns., works. lb. 2.70 - —
dms., works. lb. 2.60 - —
Linden flowers with leaves, bls. lb. .30 - .40
without leaves, bls. lb. .35 - .45
Linseed meal, expeller, 34% bulk, midwest mills ton.51.00 - —
extracted, 36%, same basis ton.50.00 - —
Litharge, com'l, powd., bbls., c.l., ship't point, frt. alld. lb. .18¾ - .19¼
l.c.l., same basis. lb. .19¾ - .20½
Lithium benzoate, dms. lb. 1.67 - —
Bromide, NF, bbls., works, frt. equald. lb. 1.90 - 2.35
Carbonate, NF, bbls., kgs. lb. 1.05 - 1.15
Chloride cryst., dms. lb. 1.25 - —
Citrate, NF, bbls., dms., kgs. lb. 1.05 - 1.40
Fluoride, bbls. lb 1.80 - 2.00
Hydride, dms., works. lb. 10.25 - 14.00
Hydroxide, monohydrate, dms lb. .90 - 1.25
Salicylate, dms. lb. 1.60 - 1.70
Lithopone, ordinary, bgs., c.l., dlvd. lb. .07½ - —
l.c.l., dlvd. lb. .08¼ - .09¼
titanated (high-strength), bgs., c.l., dlvd. lb. .09¾ - —
l.c.l., dlvd. lb. .10½ - —
Lithopone prices, Pacific Coast, 1c. per lb. higher.
Liverwort leaves, bls. lb. .75 - .80
Lobelia herb, bls. lb. .53 - .55
Leaves, NF. lb. .85 - .90
Lobeline sulphate, bots., works. oz. 34.00 - 38.00
Logwood extract, crystals, No. 1, bbls., l.c.l. lb. .41 - —
No. 2, bbls., l.c.l. lb. .39 - —
liquid, No. 1, bbls., l.c.l. lb. .20 - —
No. 2, bbls., l.c.l. lb. .19 - —
No. 3, bbls., l.c.l. lb. .18½ - —
solid, No. 1. lb. .35 - —
Lovage root, imported, bls. lb. .60 - .65
Lupulin, tins lb. 1.93 - 2.00
Lycopodium, cs. lb. 1.30 - 1.50
Lysine hydrochloride, dextro-laevo, bots. kilo 145.00 149.00

M

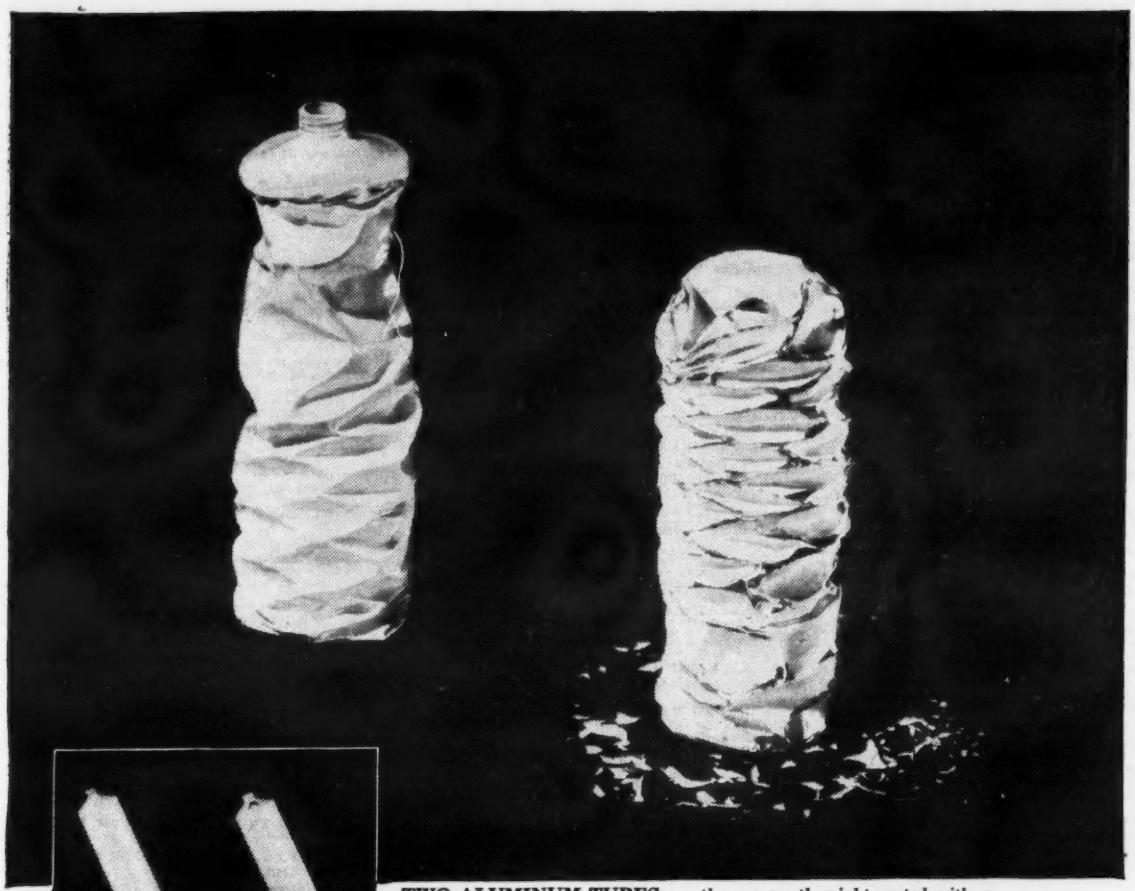
Mace, Amboina, bls. lb. No prices.
Banda, No. 1, bls. lb. 1.85 Nom.
Siauw, No. 1, bls. lb. 1.23 - 1.25
West Indian, cs. lb. 1.20 - 1.25
broken, cs. lb. 1.05 - 1.10
Madder, Dutch, bgs. lb. .29 - .32
Magnesia, calcined, tech., ctns., works. lb. .32 - .34¾
synth., rubber grade, ctns., works. lb. .21 - —
USP, light ctns. lb. .34 - .36
heavy, bbls. lb. .36 - .38

Kyanite—Magnesium Glycerophosphate

Magnesite, chemical grade, bgs., c.l., works, frt. equald. ton.72.50 - —
dead-burnt, bulk, c.l., standard grain, Chewalah, Wash. ton.36.30 - —
Magnesium arsenate, bgs., cans, works lb. .26 - .30
Bromide, jars. lb. .90 - 1.00
Carbonate, tech., bgs., c.l., frt. equald. lb. .09½ - —
l.c.l., frt. alld. lb. .10½ - —
bbls., c.l., frt. equald. lb. .10¾ - —
l.c.l., frt. alld. lb. .11¾ - —
kgs., c.l., frt. equald. lb. .12 - —
l.c.l., frt. alld. lb. .13 - —
USP, bgs., c.l., frt. equald. lb. .11¼ - —
l.c.l., frt. alld. lb. .12¼ - —
bbls., c.l. frt. equald. lb. .11¾ - —
l.c.l., frt. alld. lb. .12¾ - —
kgs., c.l., frt. equald. lb. .13 - —
l.c.l., frt. alld. lb. .14 - —

Magnesium carbonate is quoted frt. alld. to N. J. except to Atlantic, Burlington Cape May, Cumberland, Glostershire, Ocean and Salem counties, and to Phila county Pa Frt equald. with N Y C on all other destinations.

Chloride, anhyd., lump, 95-98%, dms., 40 tons, works, frt. equald. lb. .11¾ - —
15 tons, same basis lb. .12¼ - —
smaller lots, same basis lb. .14½ - —
powd., dms., works. lb. .12¾ - .15
bbls., c.l., works. ton.45.00 - —
hydrous, flake, l.c.l., works. ton.49.00 - 51.00
Gluconate, dms., cns. lb. 1.88 - 1.93
Glycerophosphate, dms., works. lb. 5.10 - 5.20



TWO ALUMINUM TUBES . . . *the one on the right coated with a standard white enamel . . . the left-hand tube coated with an Epon enamel.*

Why the crumple test *won't crack EPON® RESIN finishes*

These enameled toothpaste tubes looked alike originally. But after a brutal "accordion" test the Epon resin finish on one remained smooth and unharmed . . . even on the sharp corners! The second tube, coated with a standard widely-used enamel, cracked and flaked off.

The secret of this adhesion lies in the polar nature of the Epon molecule. So outstanding is this property that even an unprimed zinc die casting takes a hard durable finish with a single coat of an Epon resin enamel.

This property plus excellent chemical resistance and flexibility make Epon resins unusually attractive.

, , ,

Although the demand for Epon resins is ahead of present production, increased capacity is on the way. Now is the time to develop your formulations based on these new resins. Experimental quantities may be obtained for evaluation.

SHELL CHEMICAL CORPORATION
CHEMICAL PARTNER OF INDUSTRY AND AGRICULTURE
Eastern Division: 500 Fifth Avenue, New York 18 • Western Division: 100 Bush Street, San Francisco 6
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IN CANADA: Shell Oil Company of Canada, Limited • Toronto • Montreal • Vancouver

Magnesium Hydroxide—Oil, Fishliver, Crude

Magnesium hydroxide, NF, medicinals, bbls., dms., kgs. lb. .29 - .30
Hypophosphite dms. lb. 1.60 - —
Laurate, bbls. lb. .46 - .47
Metal, 99.8% ingots, cs., works lb. .24½ - —
sticks, cs., works, frt. alld. on carlots lb. .42 - .44
Oleate, fused, bbls lb. .31 - —
Oxide (see Magnesia calcined)
Peroxide, 15%, dms., works lb 1.00 - 1.05
Phosphate, tribasic, NF, bbls lb .75 - —
Silicate (see Talc).
Silicofluoride, bbls., works lb. .12 - .14
Stearate, ctns., c.l. lb. .48 - —
smaller lots lb. .50 - —
Sulphate (see Epsom salt)
Trisilicate, USP, dms., 5,000-lb. lots lb. .43 - .45
1,000-lb. lots lb. .45 - .47
100-lb. lots lb. .48 - .50
bulky and super grades, 7c. per lb higher.
Maleic anhydride, dms., c.l., dlvd., lb. .37 - —
l.c.l. dlvd. lb. .38 - —
Prices on maleic anhydride West of Rockies 1½c higher
Malva flowers, black, bls lb 1.00 1.25
Blue, bls lb. .90 - 1.00
Leaves, bls lb. .35 - .38
Mandrake root, bls lb. .48 - .50
Manganese acetate, bbls lb. .33¼ - —
Arsenate, bgs lb 12 - 12½
Borate, tech., bbls lb. .24 - —
Carbonate, bbls., works lb. .21 - —
Chloride anhyd. dms works lb. 20 - .23
Dioxide, African, pattery, 84-87%, bgs., 100 tons, works ton.78.00 - —
smaller lots, works ton.84.00 - 94.00
Gluconate, dms., cns lb 1.86 - 1.93
Glycerophosphate, NF, fib. dms lb. 4.70 - 4.80
Hydrate, bbls. works lb .34 - —
Hypophosphite NF dms lb 2.00 - —
Linoleate, liquid 4.55% Mn. dms. lb. .30½ - —
solid, precip., 8.2% Mn. bbls lb. .33½ - —
Metal, cs., dlvd. East lb. .30 - .32
Naphthenate, liquid, 6% Mn., dms., frt alld lb. .25½ - —
Oleate, precip., bbls lb. .33½ - —
Resinate, fused, 3½% Mn., dms., lb. .21¾ - —
precip., dms lb. .24½ - —
Stearate, ctns., c.l. lb. .47 - —
smaller lots lb. .49 - —
Sulphate, fertilizer, grade, 65%, bgs., c.l., dlvd. S. E. ton.70.00 - —
l.c.l., dlvd., S.E. ton 77 00 - —
feed grade 80% bgs. dlvd., S. E lb 05¼ .07
75%, bgs. c.l., dlvd. S.E. ton.81.00 - —
l.c.l., dlvd. S. E. ton.88.00 - —
Tallate, 6%, dms lb. .22¼ - —
Mangrove bark E. Africa 35% tan min, c.l., ex dock ton.88.00 - —
So. American, 30% tannin, c.l., ex dock ton.60.00 - —
Manna, flake, large cs lb 1.10 1.35
small cs lb .85 1.00
Mannitol, com'l dms. works lb 40 42
reagent 50-lb dms. works lb 85 —
Marjoram, Argentine, bls. lb. No stocks.
Bohemian, new crop, bls lb. .39 - .39½
Chilean, bls. lb. .32 - .32½
French, bls. lb. .39 - .39½
Peruvian, bls. lb. .30 - .30½
Matico leaves bls lb .25 .33
Melamine, bgs. ton lots, works lb. .33 - —
500 lbs. or more, works lb. .33½ - —
less 500 lbs., works lb. .38½ - —
Menadione, USP, bots gram. .06 - .06½
Menthol, natural, USP, bots lb.12.00 -12.40
synthetic, USP, racemic, cns lb. 8.10 - 8.60
Menthyl salicylate cns lb 4.00 4.25
Mercaptobenzothiazole, bgs., fib. dms. ton lots works, frt. alld lb. .34 - —
less ton lots, same basis lb. .36 - —
Mercaptobenzothiazyldisulphide bgs., fib dms., ton lots, works, frt. alld lb. .42 - —
less ton lots, same basis lb. .44 - —
Mercury ammoniated (see White precipitate).
Bichloride (see Corrosive sublimate).
Chloride (see Calomel).
Cyanide, NF, VIII powd., fib. dms lb. 5.29 - —
Iodide, red, NF, fib. dms lb. 6.22 - —
yellow, NF, fib. dms lb. 6.47 - —
Metal (see Quicksilver).
Oxide, red, NF (see Red precipitate).
yellow tech (see Yellow mercury oxide)
USP, fib. dms lb. 4.64 - —
Mesityl oxide, dms., c.l., dlvd lb. .13¼ - .14¼
l.c.l., dlvd lb. .14 - .15
tanks, dlvd lb. .11½ - .12½
Metaldehyde, dms., works lb. .95 - —
Metachloranilin, dms., works lb. .80 - —
Metacresol, 98%, dms., c.l., works lb. .75 - —
l.c.l., works lb. .76 - —
Metanitroanilin, dms., frt. alld lb 1.05 - —
Metanitroparatoluidin, bbls lb. 1.54 - —
Metaphenylenediamine kgs frt alld. lb. .90 - —
Metatoluidine bbls. c.l. works, frt. alld lb. .78 - —
l.c.l., same basis lb. .80 - —
tankcars, same basis lb. .76 - —
Metatolylenediamine kgs. frt. alld. lb. 1.00 1.02
Methanol natural denaturing grade, dms., c.l., frt. alld gal. .78 - —
l.c.l., frt alld gal. .79 - —
tanks frt alld gal. .70 - —
Prices on natural methanol W. of Miss. 3c. higher.
synthetic, zone 1, dms. c.l., frt. alld gal. .44 - —
l.c.l. frt alld gal. .49 - —
tanks, frt alld gal. .32 - —
zone 2, dms., c.l., frt. alld gal. .49½ - —
l.c.l., ex whse gal. .54 - —
tanks, frt. alld gal. .35½ - —
Synthetic methanol zones are: Zone 1 is all continental U. S., E. of eastern boundaries of Ariz., Idaho and Utah. Zone 2 is remainder of the U. S. west of above state boundaries, comprising Ariz., Calif., Idaho, Nev., Ore., Utah and Wash.
Methenamine (see Hexamethylenetetramine)
Methionine, dextro-laevo, fib. dms., frt. alld. 50-lb or more lb 4.55 - —
feed grade, 98%, fib., dms., same basis lb 3.00 - —
97% fib. dms., same basis lb 2.97 - —
Methoxychlor, 50% solut., dealers, dms. cs. works lb .65 - —
Methyl abietate, non ret. dms., c.l., dlvd., zone 1 lb. .17 - —
l.c.l. same basis lb. .17½ - —
hydrogenated, non-ret. dms., c.l., dlvd. zone 1 lb. .17¼ - —
l.c.l., same basis lb. .17¾ - —
Zone 1 includes New England and Middle Atlantic states, Va., W. Va., N. C., Ohio, Ky., Mich. and Ill. Wis. St. Paul and Minneapolis, Minn.; St. Louis, Mo.; Miss., Ala., Ga., Fla., S. C. and Tenn.
Acetone, natural, dms., c.l., E. of Miss., frt. alld gal. .57 - —
l.c.l., same basis gal. .68 - —
tanks, same basis gal .45 - —
Natural methyl acetone prices W. of Miss. 3½c per gal higher
synthetic, dms., c.l., works, frt. alld. E gal. .66½ - —

Methyl acetone, synth., dms., l.c.l., works, frt. alld., E. gal. .73 - —
tanks, works, frt. alld. E. gal. .54 - —
Methyl acetone, synth., East (territory is all States East of and including Colo., Mont., N. Mex. and Wyo. West territory, all States West of those four.
Acrylate, dms., c.l., and truckload, works lb. .49 - —
less than truckload, works lb. .50 - —
tanks, works lb. .48 - —
Alcohol (see Methanol)
Anthranilate, cns., 100 lbs. or more lb. 2.50 - 2.55
extra, cns. lb. 2.80 - 4.00
Benzoate, cns., dms. lb. .60 - .65
Bromide, jobbers, cyls., various sizes, works lb. .47 - .61
Chloride, indust., cyl., works lb. .18½ - —
tanks, multi-unit, works lb. .14 - —
single-unit, works lb. .11½ - —
refrigerator mfrs. cyls. dlvd lb. .39 - .43
other consumers or service men, cyls. dlvd lb. 49 - —
Cinnamate, cns. lb. 1.43 - 1.80
Cyclohexanol, dms., c.l., works l.c.l., works lb. .32½ - —
tanks, works lb. .31 - —
Formate, refd., dms lb. .35 - .40
tech. non-ret. dms., any quantity, works lb. .08 - —
tanks, works lb. .07 - —
Iodide, bots., works lb. 3.60 - 3.95
cbys., works lb. 3.00 - 3.25
Lactate, dms., l.c.l., works lb. .35 - —
Methacrylate, dms., c.l. and truckload, works lb. .36½ - —
less than truckload works lb. .37 - —
tanks, works lb. .35 - —
Parahydroxybenzoate, USP, bots., fib. dms lb. 2.10 - 2.20
fib. dms lb. 1.90 - 2.00
Roseanilin chloride, NF, fib. dms lb. 5.40 - —
Salicylate, USP, dms., 500 lbs lb. .50 - —
cns, 50 lbs lb. .55 - —
Testosterone, USP, 100 gms. gm. 3.25 - —
Methylal, refined 42% dms., c.l., works lb. .11 - —
l.c.l. works lb. .12 - —
tanks, works lb. .09 - —
Methylamyl acetate, dms., c.l., dlvd. lb. .16¼ - —
l.c.l., dlvd lb. .17¼ - —
tanks, dlvd. lb. .14½ - —
Ketone, dms., works lb. 1.05 - —
Methylcellulose, special vis., (1,500-4,000 cps.), 50-lb. bgs., c.l., works lb. .78 - —
2,000 lbs. and more, same basis lb. .80 - —
smaller lots, frt. alld on 100 lbs. .85 - .97
standard vis., (15-400 cps.), 50-lb. bgs., c.l., frt. alld. lb. .66 - —
2,000 lbs. and more, same basis lb. .68 - —
smaller lots, frt. alld on 100 lbs lb. 73 - .85
Methylene blue, 100-lb. lots, kgs., frt. adjusted lb. 3.25 - 3.60
smaller lots kgs. same basis lb 3.40 3.60
Chloride, indust., dms., c.l., E lb. .13 - —
l.c.l., dlvd. E lb. .14 - —
tanks, dlvd. E lb. .11½ - .11¾
Methylethylketone, dms., c.l., dlvd. lb. .12¾ - .13¾
l.c.l., dlvd lb. .13½ - .14½
tanks, dlvd lb. .11 - .12
Methylheptin carbonate, bots lb.35.00 - 45.00
Methylionone, A cns lb 6.55 8.80
D, cns lb 7.90 9.55
prime, cns lb 4.55 6.40
Methylisobutyl carbinol (see Carbinol, methylisobutyl)
Ketone, dms., c.l., dlvd lb. .14¾ - —
l.c.l., dlvd lb. .15½ - —
tanks, dlvd lb. .13 - —
Methylnaphthyl ketone, cans. lb. 3.00 - 3.75
Methylparaben (see Methyl parahydroxybenzoate).
Methylpentanediol (see Hexyleneglycol)
Methylphenylpyrazolone, 250-lb. dms., dlvd lb. 1.60 - 1.70
less than 250 lbs., dms., dlvd lb 1.80 1.90
Methylthionine chloride (see Methylene blue).
Mica, dry grd., paint, plastic, 100 mesh, bgs., c.l., works lb. .04½ - —
roofing, 20 to 80 mesh, works lb. .03¾ - —
wet-grd., biotite, bgs. c.l. works, frt alld., E lb. .05¾ - —
t.c.l. ex whse., or frt alld. E lb. .06¼ - —
extra fine, bgs., c.l. works, frt. alld. E lb. .05¾ - —
t.c.l. ex whse or frt alld. E lb. .06½ - —
paint or tacq., bgs. c.l., works, frt. alld. E lb. .07¼ - —
t.c.l. ex whse. or frt alld. E lb. .08 - —
rubber, bgs., c.l., works, frt. alld. E lb. .07 - —
t.c.l. ex whse or frt alld. E lb. .07¾ - —
wallpaper, bgs., c.l., works, frt. alld. E lb. .07¼ - —
t.c.l. ex whse or frt alld. E lb. .08 - —
white, extra, fine, bgs., c.l., works, frt. alld. E lb. .07¼ - —
t.c.l. ex whse or frt alld. E lb. .08 - —
Mica, wet-grd., W. of Miss R. ½c. higher, W. of Rockies 1c. higher
Milk powder, skimmed, roller, bbls., c.l lb. .13¼ - .16¾
spray, bbls., c.l lb. .15¼ - .17¾
whole, roller, bbls., c.l lb. No prices.
spray, bbls., c.l. lb. .35½ - .44¾
Sugar, crude, bgs., c.l., works lb. .18 - —
edible, bgs., works, 30,000-lb. lots lb. .24 - —
2,000-lb lots lb. .24¾ - —
200-1,800-lb. lots lb. .25¼ - —
Edible milk sugar in fib., dms., 1c. higher.
USP, fib. dms., 30,000-lb. lots, works lb. .29 - —
2,000-lb. lots, works lb. .29¾ - —
200-1,800-lb. lots, works lb. .30¼ - —
Mineral spirits (see Petroleum mineral spirits).
Molasses, blackstrap, tanks gal. .36 - .37
New Orleans, tanks gal. .33½ - —
Molybdate orange (see Orange molybdate).
Molybdenum metal 90% Mo powd kgs lb. 3.00 Nom.
Trioxide, pure, kgs., works, basis Mo. content lb. 1.35 - —
technical kgs. works, basis Mo content lb. 1.13 1.14
Monochlorobenzene dms. c.l. frt alld., or dlvd. E lb. .10½ - .11½
l.c.l. same basis lb. .11½ - .12½
tanks, same basis lb. 09 .10
Monochlorobenzene prices in the West, 1¼c. higher
Monoethanolamine dms. c.l. frt alld. E lb. .29¾ - —
l.c.l. same basis lb. .30¾ - —
tanks, same basis lb. .28 - —
Monoethylalphanaphthylamine dms., works lb .88 - —
Monoethylamine dms. c.l. frt alld. E., basis 100% lb. .32 - —
l.c.l., same basis lb. .33 - —
tanks, same basis lb. .30½ - —

Monoethylorthotoluidin, bbls. lb. .30 - —
Monoisopropylamine, dms., c.l., frt. alld. E. lb. .28¼ - —
l.c.l., same basis lb. .29¼ - —
tanks, same basis lb. .26½ - —
Monomethylamine, 25%-40%, dms., c.l., works, basis 100%, lb. .35 - —
l.c.l., same basis lb. .35½ - .36
tanks, same basis lb. .31 - —
Monononylnaphthalene, dms., c.l., works lb. .14 - —
l.c.l., same basis lb. .35½ - .36
tanks, same basis lb. .31 - —
Monosodium fluoroacetate (see Sodium fluoroacetate monobasic).
Glutamate (see Sodium glutamate, monobasic).
Phosphate (see Sodium phosphate monobasic).
Monotertiarybutylmetacresol, dms., c.l., works lb. .50 - —
l.c.l., works lb. .51 - —
tanks, works lb. .49 - —
Morphine, cns oz.12.40 -12.60
Acetate, anhyd., cns oz. 9.95 -10.00
Hydrobromide, cns. oz. 9.90 - 9.95
Hydrochloride, NF, cns oz. 9.90 - 9.95
Sulphate USP, cns oz. 9.90 -10.00
Morpholine, dms., c.l., works lb. .61½ - —
l.c.l., works lb. .62 - —
tanks, works lb. .60 - —
Mullein flowers, cs lb. 1.15 - 1.20
Leaves, bls. lb. .21 - .25
Musk, natural, Tonquin grains, bots. oz.40.00 -55.00
synthetic, ambrette, 100 lbs., fib. dms lb. 5.60 - —
25 lbs., cns lb. 5.70 - —
5 lbs., cns lb. 5.85 - —
ketone, 100 lbs., fib. dms lb. 5.35 - —
25 lbs., cns lb. 5.45 - —
5 lbs., cns lb. 5.60 - —
xylol, 100 lbs., fib. dms lb. 1.65 - 1.75
25 lbs., cns lb. 1.75 - 1.78
5 lbs., cns lb. 1.85 - 1.90
Musk root, bls lb. No prices.
Mustard seed Calif. brown bgs., f.o.b. source lb. .13 - .13¼
English, yellow, bgs lb. .16 - .18½
German, yellow, bgs lb. .17 - .17½
Montana, brown, bgs., f.o.b. source, Sept.-Oct. shipment lb. .09 - —
oriental, bgs., Sept.-Oct. shipment lb. .08¼ - —
yellow, bgs., Sept.-Oct. shipment lb. .12½ - —
Myrobalans, J1 assorted, bgs., ex dock ton.61.00 -62.00
crushed, bgs., ex dock ton.84.00 -85.00
J2, bgs, ex dock ton.50.00 Nom.

N

Naphtha, painters (see Petroleum naphtha, V. M. & P.).
Solvent (see S).
Naphthalene, dom., crude, 74° tanks, frt. alld lb. .0625- —
78°, dms., c.l., same basis lb. .0765- .0790
l.c.l., same basis lb. .0790- .0815
tanks, same basis lb. .0675- .0700
refined, industrial, bbls., c.l., frt. equald lb. .11¾ - —
bgs., c.l., same basis lb. .11¼ - —
tanks, same basis lb. .10¾ - —
balls, flakes, wholesalers, jobbers, bbls., c.l., same basis lb. .14½ - —
cs., 50 lbs., c.l. same basis lb. .14¾ - —
1-lb. pkgs. c.l. same basis lb. .17 - —
imported, crude, 78°, large lots, lb. .09 - .11
Natural gas, sweet, as chemical raw material, Texas well-head average prices, July, 1950:—
District 1, San Antonio M c.f. .04468- —
2. Refugio M c.f. .04128- —
3. Houston M c.f. .04769- —
4. Corpus Christi M c.f. .03729- —
5. Kilgore, Palestine, Mt. Pleasant M c.f. .04869- —
6. Kilgore, Palestine, Mt. Pleasant M c.f. .06743- —
7B. Abilene M c.f. .04696- —
7C. San Angelo M c.f. .04696- —
8. Midland M c.f. .04635- —
9. Wichita Falls M c.f. .04424- —
10. Pampa M c.f. .03913- —
Neocinchophen, USP, dms. frt. adjusted lb. 7.00 - 7.35
Nephelin syenite, glass, 24 mesh, bulk, Rochester, N. Y ton.14.25 • —
pottery, 200 mesh, bulk, Rochester, N. Y ton.18.25 • —
Nephelin syenite in bgs., $3 per ton higher than bulk.
Nerolin, cns lb. 2.25 - 2.65
Niacin (see Acid, nicotinic).
Niacinamide (see Nicotinamide).
Nickel acetate, bbls., dlvd lb. .59 - —
Carbonate bbls., dlvd lb. .63½ - —
Chloride, bbls., dlvd lb. .33 - —
Cyanide, bots., dms lb. 1.75 - 2.00
Formate, bbls., ton lots, frt. alld. lb. .56¾ - .57¾
Metal, electro cathodes, cs, works lb. .50½ - —
Nitrate, bbls., works lb. .32¼ - —
Oxide, black, bbls. lb. .58½ - —
Sulphate, bgs., c.l., dlvd lb. .25 - —
t.c.l., dlvd lb. .25½ - —
Nicotinamide, USP, dms., frt. adjusted kilo.12.00 -12.30
Hydrochloride, dms. frt adjusted kilo.11.50 -11.80
Nicotine sulphate 40% 50-lb. dms., dealers frt. alld. over 70 lbs., dm.49.40 • —
tins 10 lbs. dealers frt alld on cases of 6 tin.10.85 • —
Nikethamide, cbys lb. 7.50 - 7.75
Nitrobenzene, dbl. dist., dms., c.l., frt. alld lb. .11 - .11½
t.c.l., frt. alld lb. .12 - .12½
tanks, frt. alld lb. .10 - .10½
Nitrocellulose, ester-soluble, 30-35 cps., ¼, ½, ¾, 5-6, 15-20, 30-40, 60-80, 125-175, secs., bbls., c.l., works lb. .33 - —
t.c.l., same basis lb. .34 - .36
18-25 cps., c.l. lb. .35 - —
t.c.l., same basis lb. .36 - .38
250-400, 600-1,000 secs., c.l., same basis lb. .42 - —
t.c.l., same basis lb. .43 - .45
spirit-soluble, 30-35 cps., ¼, ½, sec., bbls., c.l., same basis lb. .45 - —
t.c.l., same basis lb. .46 - .48
5-6, 40-60 secs., bbls., c.l., same basis lb. .44 - —
t.c.l., same basis lb. .45 - .47
Denatured alcohol used in the manufacture of nitrocellulose is charged extra. Drums extra, but returnable
Nitroethane dms. dlvd. E. of Rockies lb. .25 - —
Nitrogen solution, tanks, works, N. ton.120.00 • —
Nitrogenous process, tankage, bulk, works, ammo., ship't unit-ton. 4.30 - 4.75
Sewage sludge, bulk, works unit-ton. 3.25 + .40

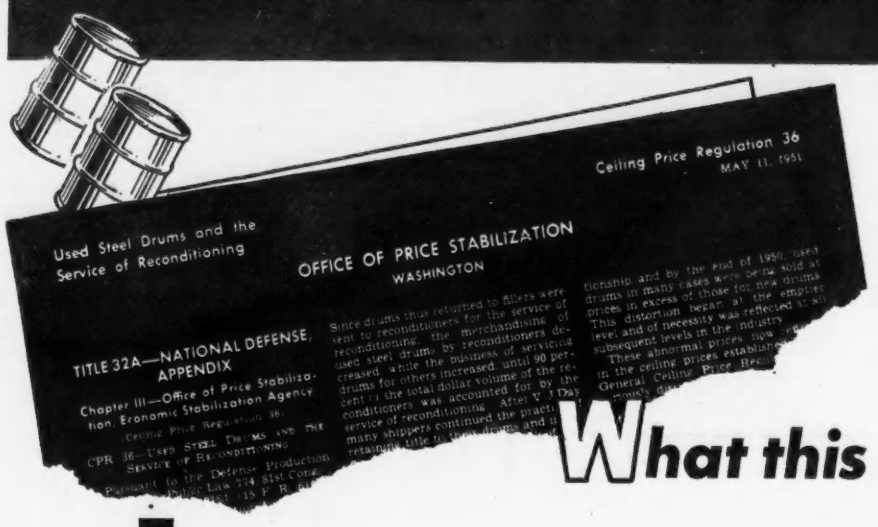
Nitromethane, dms., l.c.l., dlvd. E. of Rockies lb. .25 - —
Nitropropane, 1, dms., dlvd., E. of Rockies lb. .23¼ - —
2, dms., dlvd., E. of Rockies lb. .25 - —
Nonylphenol, dms., c.l., works lb. .34 - —
l.c.l., works lb. .35 - —
tanks, works lb. .33 - —
Nutgalls, Aleppo, bgs lb. .38 - —
Chinese, bgs lb. .32 - —
Istrian, bgs lb. .31 - —
Nutmeg, East Indian, cs lb. .56 - .57
splits, bgs lb. .54 - .55
West Indian, bgs lb. .48 - .49
Nux vomica, bls. lb. .10 - .12
powdered, bbls., bxs lb .13 - .14

O

Octane, 100° 140° C, industrial grade, group 3, dms., c.l gal. .19 - —
t.c.l gal. .21 - .60
tanks gal. .15½ - —
10°C., b.r Bayonne, N.J., tanks gal. .18 - —
Octanol, normal, tecn., dms., c.l., dlvd lb. .41½ - —
t.c.l., dlvd lb. .43½ - —
tanks, dlvd lb. .39 - —
Octyl methacrylate, normal, dms., less than truckload, works. lb. .83 - —
Oil, abies siberica, cns lb. 3.95 - 4.25
Almond, artificial, bitter, (see Benzaldehyde)
natural, bitter, F.P.A., bots lb. 3.15 - 3.85
NF, bots lb. 3.00 - 3.75
sweet, USP, dms., cns lb. .60 - .90
Allspice (see Oil, pimento).
Amyris, dms lb. 1.75 - 2.00
Angelica root, bots lb.150.00 -160.00
seed, bots lb.100.00 -130.00
Anilin, see Aniline.
Anise, USP, Chinese, dms lb. 2.00 - 2.60
Apricot kernel, USP, dms lb. .50 - .65
Avocado, cns., dms lb. 1.00 - 1.10
Babassu, crude, tanks lb. .17¾ - —
Bay, NF, Puerto Rican, 50-55%, cns lb. 1.70 - 1.85
55-60%, cns lb. 1.75 - 2.00
West Indian, 50-55%, cns., dms lb. 1.80 - 2.00
Bergamot, artif., cns lb. 3.35 - 3.75
natural, NF, Italian, cns lb. 8.75 -11.50
Birchtar, crude, cns lb. 1.45 - —
rectified, NF, cns lb. 4.10 - —
Bois de rose, Brazil, dms lb. 4.50 - 5.25
Mexican (see Oil, linaloe wood)
Bone, dms, works gal. .65 - .70
Cajeput, redist., USP, cns lb. 1.95 - 2.35
tech., dms. lb. 2.40 - 2.70
Calamus, cns. lb.20.00 -28.00
Camphor, sassafrassy, dms lb. .26 - .69
white, dms. lb. .45 - .60
Cananga, native, cns lb. 8.25 -10.00
rectified, cns lb. 9.50 - 9.75
Capsicum (see Capsicum oleoresin).
Caraway, NF, cns lb. 4.00 - 4.50
Cardamom, NF, bots lb.60.00 -75.00
Cassia, USP, cns., dms lb. 5.00 - 5.25
Castor, blown, dms., c.l lb. .3875- —
t.c.l. lb. .3925- —
dehydrated, bodied, dms., c.l lb. .4185- —
l.c.l. lb. .4235- —
tanks lb. .4060- —
unbodied, dms, c.l lb. .4035- —
l.c.l. lb. .4085- —
tanks lb. .3910- —
hydrogenated, dms., l.c.l. lb. .4715- —
No. 1, Brazilian, tanks lb. .3550- —
USP, dms., c.l. lb. .3675- —
l.c.l. lb. .3725- —
tanks lb. .3550- —
refined and deodorized, dms., c.l. lb. .3825- —
l.c.l. lb. .3875- —
tanks lb. .3700- —
No. 3, tech., dms., c.l. lb. .3650- —
l.c.l. lb. .3700- —
tanks lb. .3525- —
sulphonated, 50% (48% fat) dms., tanks lb. .18 - .22
75% (60-62% fat) dms. lb. .26 - .30
Cedarleaf, USP, cns., dms lb. 3.25 - 3.75
Cedarwood, cns., dms lb. .60 - .75
Celeryseed, bots lb.16.50 -21.00
Chamomile, blue, Hungarian, bots. lb.280.00 -325.00
Chaulmoogra, NF, cns., dms lb. .55 - .70
Chinawood (see Oil, tung).
Cinnamon bark, USP, bots lb.30.00 -60.00
leaf, Ceylon, bots lb. 3.25 Nom.
Citronella, Ceylon, cns., dms lb. 1.90 - 2.50
Java, true, cns lb. 2.05 - 3.25
Java type, cns lb. 2.05 - 2.75
Clove, USP, from buds, cns., dms lb. 3.00 - 3.75
Coconut, crude, tanks, Atlantic ports lb. .15 - —
Pac. Coast lb. .14 - —
Coconut, refined, Cochin type, tax incl., ret. dms., l.c.l. lb. .23¼ - —
deodorized, tax incl., dms., l.c.l. lb. .27 - —
Cod, Newfoundland, dms lb. No prices.
Codliver, USP, dms gal. 1.90 - 2.00
Copaiba, cns. lb. 2.50 - 3.50
Coriander, USP, bots lb.25.00 -35.00
Corn, crude, tanks, works lb. .18½ - —
foots, acid, 95%, tanks, N.Y. lb. .10 - .10½
raw, 50%, tanks, same basis, lb. .04½ - .05
refined, dms. lb. .24 - .24½
tanks lb. .2190- —
Costus, bots oz.21.00 -25.00
Cottonseed, crude, tanks, Southeast and Valley lb. .19¾ Nom.
tanks, Texas lb. .19½ Nom.
foots, acid, 95%, tanks, N.Y. lb. .10 - .10½
raw, 50%, tanks, same basis, lb. .04½ - .05
salad, dms. lb. .27½ - .28½
tanks lb. .25 - —
Creosote (see Crotonic, coaltar).
Croton, cns lb. 4.75 - 5.50
Crude (see Petroleum, crude).
Cubeb, cns. lb. 5.75 - 7.50
Cumin, bots. lb. 5.65 - 7.00
Cypress, bots. lb. No stocks.
Degras (see D).
Dillseed, India, bots lb. 6.25 - 7.75
Dillweed, domestic, bots., dms lb. 4.35 - 4.75
Dip (see D).
Erigeron, cns. lb. 5.25 - 7.25
Eucalyptus, NF, rectified, 80-85%, dms. lb. 1.35 - 1.85
70-75%, dms. lb. 1.20 - 1.55
Fennel, USP, cns lb. 2.30 - 3.25
Fir, Canada, cns lb. 2.75 - 3.75
Fishliver, crude, for feeds for concentrating, 4,000 to 12,000 A units per gm., dms., 1,000,000 units. .15 - .15½
10,000 to 20,000 A units dms. 1,000,000 units. .13 - —
25,000 to 35,000 A units dms. 1,000,000 units. .13 - —
40,000 to 55,000 A units dms. 1,000,000 units. .13½ - —
Market prices on crude fishliver oil dependent upon conversion factor

Attention of Manufacturers!

URGENT MESSAGE about .....STEEL DRUMS


Used Steel Drums and the Service of Reconditioning
OFFICE OF PRICE STABILIZATION
WASHINGTON
Ceiling Price Regulation 36
MAY 11, 1951
TITLE 32A—NATIONAL DEFENSE, APPENDIX
Chapter III—Office of Price Stabilization, Economic Stabilization Agency.
Ceiling Price Regulation 36.
CPR 36—USED STEEL DRUMS AND THE SERVICE OF RECONDITIONING
Pursuant to the Defense Production

Newark Steel Drum Company, Linden, New Jersey
Acme Steel Drum Company, Newark, New Jersey

●

OUR PLEDGE and DUTY:
COMPLIANCE WITH CEILING PRICE REGULATION 36.
OUR BUSINESS:
RECONDITIONING STEEL DRUMS.

●

What this message means to You:

FROM PAGE 2, SEC. 3
OF REGULATIONS:

"**SEC. 3. Ceiling prices for raw steel drums—(a) Sales by persons other than persons who purchased for resale. The ceiling price, f.o.b. point of shipment, for raw steel drums when sold by a person other than a person who purchased for resale and shipped from any point other than a point in the State of California, Oregon or Washington is the applicable price set forth in Table A of this regulation. When shipment is made from a point in the State of California, Oregon or Washington, an amount not in excess of $0.25 per drum may be added to the applicable price in Table A.**

TABLE A

Capacities:	*Price per Drum*
30 to 39 gallons, inclusive	$1.50
40 to 58 gallons, inclusive	1.75

"

NOTE...*ceiling price for the sale of empty used 55-gal. 18-guage steel drums is* **$1.75**

We invite you to deal with the largest... and a completely responsible... steel drum organization.

1. It will help to get you a fair price for your empty steel drums and cut down the cost of your raw materials because of lower packaging costs.

2. It will relieve the shortage of steel by eliminating the Speculators and Hoarders.

3. It will assure you of a continued supply of your raw materials because of the availability and turn-over of Steel Shipping drums.

4. It will enable you to work with RESPONSIBLE Steel Drum Reconditioners who can now pay the highest ceiling prices for second-hand drums.

5. Your reconditioner can now sell the fully reconditioned steel drum to your raw material suppliers at fair ceiling prices.

***6.** You may now call upon us to pick up all empty steel drums at your plant. We will return the deposit drums to your suppliers for immediate credit and we will pay you ceiling prices for your surplus drums.

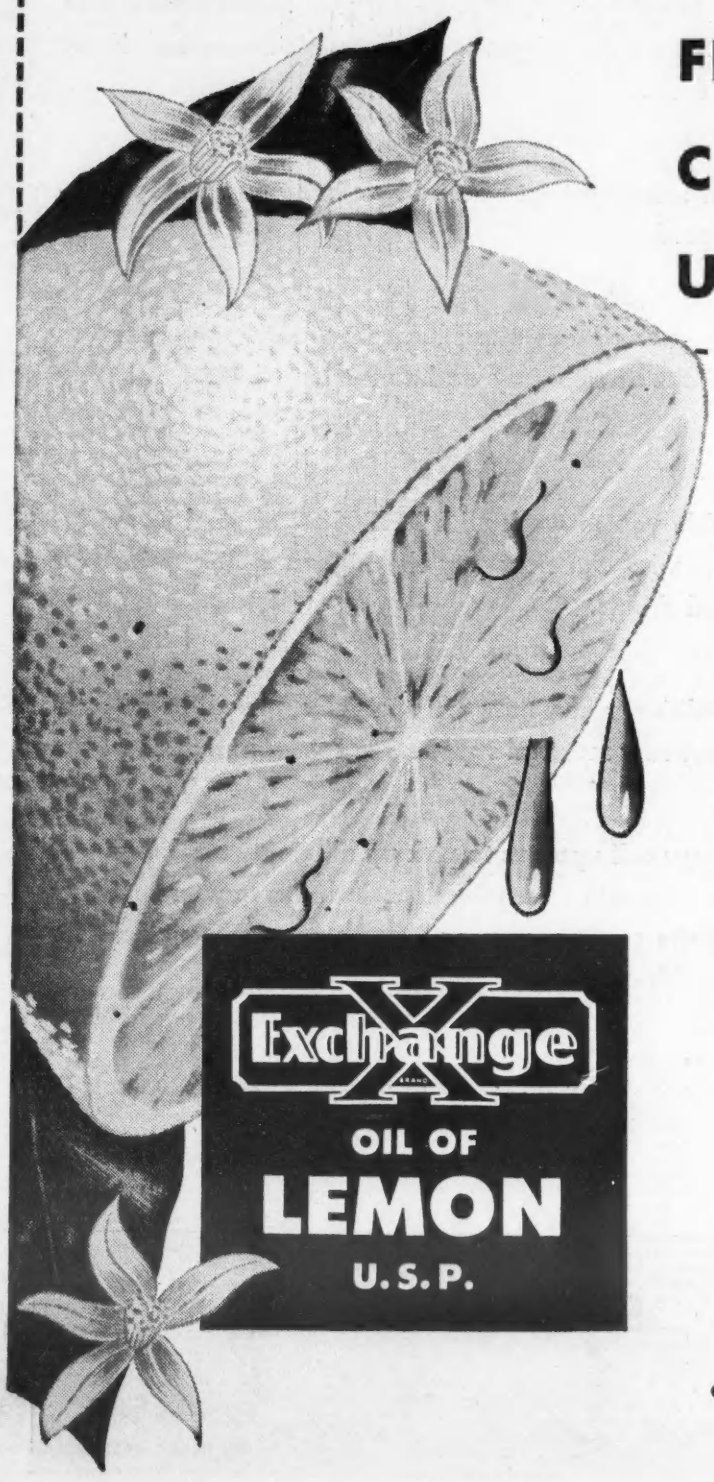
**This applies only to Metropolitan area of New York State, New Jersey and New England.*

NEWARK STEEL DRUM COMPANY LINDEN, N. J. Phone Linden 2-4466

ACME STEEL DRUM COMPANY 560 FERRY ST., NEWARK, N. J. Phone Market 3-0900

Oil, Fishliver, Prime—Oregano

Oil, fishliver, prime, nat. or conc., 100,000 A units, dms..... 1,000,000 units. .16 - —
200,000 A units, dms..... 1,000,000 units. .17 - —
300,000 A units, dms..... 1,000,000 units. .17 - —
400,000 A units, dms..... 1,000,000 units. .18 - —
500,000 A units dms..... 1,000,000 units. .18 - —
700,000 A units, dms..... 1,000,000 units. .20 - —
Prices above are based on the USP XIV method of conversion, Morton-Stubbs Corrected E x 1900.
Fuel (see Petroleum fuel oil).
Fusel (see F).
Garlic, pure, bots ..... oz 7.25 8.00
Gaultheria (see Oil wintergreen)
Geranium, Algerian, cns.....lb.26.00 -32.50
Bourbon, cns.....lb.24.50 -27.00
Turkish (see Oil, palmarosa)
Ginger, dist., bots .....lb.22.00 -23.50
Grapefruit, dms.....lb. 2.00 - —
Grease, No. 1, dms.....lb. .23 - .23½
extra, winter, strained, dms..lb. .24 - .24½
prime, burning, dms.....lb. .26 - .26½
Guaiacwood, cns .....lb. 1.75 - 2.10
Hemlock, cns.....lb. 2.45 - 2.75
Juniper berry, NF VIII, bots
lb 2.75 4.00
twice rectified, bots.....lb. 3.60 7.00
Tar, NF (see Juniper tar).
Wood, tech, cns ..... lb 65 1.00
Lard (see Oil grease).
Laurel, dms., cns.....lb 3.90 4.50
Lavandin, dms., cns.....lb. 4.25 6.00
Oil, lavender flower, USP, French, 30-32%, ester, cns.....lb. 4.50 - 6.60
38-42%, ester, cns.....lb. 6.25 - 8.50
40-42%, ester, cns.....lb. 8.00 -10.35
Spike, Spanish, cns.....lb. 3.05 - 3.75
Lemon, USP, Calif., cns., dms..lb. 4.50 - 5.00
Messina, cns .....lb. 4.50 - 8.05
Lemongrass, cns., dms.....lb. 3.50 - 5.00
Lignaloe wood, Mexican, cns ..lb. 4.15 - 4.60
Lime, distilled, Mexican, cns..lb. 7.00 - 7.50
West Indian, cns .....lb. 7.10 - 7.75
expressed, West Indian, cns..lb. 7.50 - 8.25
terpeneless, bot.....lb.45.00 -65.00
Linseed, raw, dms., c.., Zone 3 lb. .2220- —
l.c.l. .....lb. .2260- .2320
tankcar .....lb. .21 - —
tankwagon .....lb. .2130- —
Mace, dist., cns., dms.....lb. 4.55 - 6.00
Mandarin, Floridian, dms.....lb. 3.00 - 5.00
Italian, cns .....lb. 5.50 - 8.50
Menhaden, crude, tanks, Baltc..lb. .16 - —
refined, alkali, dms.....lb. .2260- —
kettle-bodied, dms. .....lb. .2460- —
light-pressed, dms. .....lb. .2160- —
tanks .....lb. .20 - —
Mineral, white (see Oil, white, mineral).
Mirbane (see Nitrobenzene).
Mustard seed, expressed, dms. lb. .26½ Nom.
synthetic, cns., dms.....lb. 1.60 - 1.70
Neatsfoot, 15°, dms.....lb. .44 - .46
20°, dms. .....lb. .40 - .44
30°, dms. .....lb. .39 - .40
Neroli, NF, French bots .....lb.115.00 -195.00
Haitian, bots.....lb.90.00 - —
Nigouli, cns .....lb. 1.95 - 3.00
Nutmeg, USP, dist., East Indian, cns., dms..lb. 4.50 - 5.75
West Indian, cns., dms..lb. 4.00 - 4.75
Ocotea cymbarum, dms .....lb. .85 - 1.00
Oil, oiticica, liquid, dms.....lb. .33 - .34
tankcars .....lb. .31 - .32
Oleo, extra, dms.....lb. .22¾- .23½
Olibanum, bots.....lb. 5.25 - 7.65
extra fine, bots .....lb. 8.00 - —
Olive, commercial, dms.....gal. No stocks.
edible, dms., duty paid....gal. 3.00 - 3.15
foots, dms. .....lb. .20 - .21
Orange, sweet, dist., cns.....lb. .80 - 1.10
expressed, USP Brazilian cns., dms lb. No stocks.
Calif., cns.....lb. 2.05 - 2.50
Florida, cns., dms.....lb. 2.35 - 2.80
Messina, cns .....lb. 4.00 - 5.85
West Indian, cns .....lb. 3.00 - 3.25
sesquiterpeneless, bots.....lb.177.00 - —
Origanum, Spanish, cns .....lb. 2.30 2.75
Palm, Congo, dms.....lb. .27¼- .27½
Palmarosa, cns.....lb. 8.50 - 9.00
Paraffin, pale, 100-110 vis. at 100° F. tanks, East Coast refinery, gal. .14 - —
Patchouli, dms. .....lb.16.50 -23.00
Peach kernel USP (see Oil apricot kernel)
Peanut, crude, tanks, Southeast. lb. .18¾- —
foots, acid 95%, tanks, N.Y....lb. .12625- —
raw, 50% tanks, same basis..lb. .06125- —
refined, dms.....lb. .25½- .26
tanks .....lb. .22¾- —
Pennyroyal, USP, imported, cns lb. 4.75 - 5.75
Peppermint, natural, dms.....lb. 7.25 - 8.25
redist., USP, dms .....lb. 7.60 - 8.75
Persic, USP (see Oil, apricot kernel).
Perilla crude dms lb No stocks.
Petitgrain, Paraguay, cns.....lb. 3.75 - 4.50
Pimento berry, NF, dms.....lb. 4.95 6.00
leaf, cns. .....lb. 2.25 2.95
Pine, dest.-dist., dms., extra, c.l., works, South .gal. .75½- —
l.c.l. .gal. .76½- —
ex whse., N. Y. C.....gal. .92 - —
Oil, pine, steam dist., dms., ex whse., non-ret., dms., incl., l.c.l., ex whse., N.Y.C. .lb. .117 - —
Pineneedle, Siberian (See Oil, abies siberica).
Putty, petroleum, dms., c.l., divd. lb. 11 - —
l.c.l., same basis.....lb. .12 - —
tanks, same basis.....lb. .10 - —
Rapeseed, tankcars .....lb. .28 Nom.
Red, double dist., dms.....lb. .27¾- .29
tanks .....lb. .26¼- —
saponified, dms.....lb. .24½- .25¾
tanks .....lb. .23 - —
single dist., dms.....lb. .25¼- .26½
tanks .....lb. .23¾- —
Rice bran, clarif., dms.....lb. No stocks.
Rose, natural, Bulgarian, bots..oz.41.00 -45.00
Rosemary, Spanish, tech., cns., dms..lb. .70 - 1.00
USP, cns., dms.....lb. .82½- 1.30
Rue, bots. .....lb. 3.00 - 3.25
Safflower, dms., l.c.l. .. ....lb. No stocks.
Sage, clary, bots.....lb.21.00 -23.00
Dalmatian, cns.....lb.14.00 -16.00
Spanish, cns .....lb. 1.00 - 2.75
Sandalwood, NF, cns.....lb.12.00 -14.75
Sarsine, crude, tanks, Pac. coast. lb. .16 - —
refined, alkali, dms.....lb. .2260- —
kettle-bodied, dms.....lb. .2460- —
light-pressed, dms.....lb. .2160- —
tanks .....lb. .20 - —
Sassafras, artificial, cns., dms lb. .75 - 1.25
natural, Brazilian (see Oil, ocotea cymbarum)
domestic, USP, cns., dms..lb. 1.95 - 2.20
Savin, cns.....lb. 2.75 - 3.00
Savory, cns. .....lb. No stocks.
Sesame, refd., dms., l.c.l.....lb. .38 - .39
Shingle stain, tar distillate, dms., c.l., works.....gal. .31 - —
l.c.l., works.....gal. .33 - —
tanks, works .....gal. .20 - —
Snakeroot, Canada, cns.....lb.31.00 -40.00
Soybean, crude, tanks, mills...lb. .18½- —
foots, acid, 95%, tanks, N.Y. lb. .10 - .10½
raw, 50%, tanks, same basis..lb. .04½- .05
refined, alkali, dms., c.l....lb. .2300- —
l.c.l. .....lb. .2360 .2400
tanks .....lb. .2200- —
clarified, dms., c.l.....lb. .2175- —
l.c.l. .....lb. .2235- .2265
tanks .....lb. .2075- —
salad, dms. .....lb. .25 - .26
tanks .....lb. .2150- —
Spearmint, USP, dms.....lb. 5.50 - 6.25
Sperm, bleached, winter, 45°, dms lb. .1920- .20
tankcars .....lb. .1870- —
natural, winter, 45°, dms ..lb. .1850- .1900
tankcars .....lb. .1750- —
Spruce, cns., dms .....lb. 2.45 - 2.75
Sweet birch, USP, Northern, cns. lb. 4.95 - 5.00
Southern, cns.....lb. 2.00 - 3.75
Tall, crude, tanks, works .....lb. .03 - .03¼
refined, dms., c.l. works.....lb. .06½- .07¼
l.c.l., works.....lb. .06¾- .07¾
tanks, works.....lb. .05¼- .06¼
Tallow, acidless, dms.....lb. .22 - .22¼
Tansy, dms .....lb. 8.60 - 9.00
Tar, pine, com'l, dms., inc., c.l., works, South lb. .051 - —
l.c.l., works, South ..lb. .0524- —
whse., N.Y.C. .....lb. .0678- —
tanks, works, South ....lb. .041 - —
rectified, N.F., l.c.l., dms., extra, works, South gal. .67 - —
whse., N.Y.C. ..... gal. .77 - —
Tar acid (see T).
Theobroma (see Cocoa butter)
Thyme, NF, red, cns., dms.....lb. 2.05 - 2.75
white, cns .....lb. 2.25 - 3.50
Tung, dom., tanks, mills.....lb. .39½ Nom.
imported, dms., c.l.....lb. .41½- —
l.c.l. .....lb. .42 - —
tanks .....lb. .39½- —
Turkey red (see oil, castor, sulphonated)
Turpentine, NF, cns., dms.....lb. .32 - .65
Vetiver, Bourbon, cns.....lb.29.00 -32.50
Haitian, cns.....lb.22.00 -26.00
Java, cns .....lb.35.00 - —
Wheat germ, 5-gal dms .....gal.10.00 -12.00
White mineral, tech., 50-65 vis., dms. c.l., N.Y. gal. .54½- .57½
l.c.l., same basis .... gal. .60½- .62½
65-75 vis., dms., same basis. gal. .55½- .58½
l.c.l., same basis ..... gal. .61½- .63½
NF, 80-90 vis., dms., c.l., same basis gal. .56½- .59½
l.c.l., same basis ..... lb. .62½- .64½
125-135 vis., dms. c.l., same basis gal. .62½- .65½
l.c.l., same basis ..... gal. .68½- .70½
145-155 vis., dms., c.l., same basis gal. .69½- .71½
l.c.l., same basis..... gal. .75½- .76½
175-185 vis., dms. c.l., same basis gal. .72½- .76
l.c.l., same basis ..... gal. .78½- .81
USP, 200-210 vis., dms., c.l., dms., c.l., same basis gal. .75½- .78
l.c.l., same basis ..... gal. .81½- .83
345-355 vis., dms., c.l., same basis gal. .80 - .83
l.c.l., same basis ..... gal. .86 - .88
Wintergreen, USP, nat., Northern, cns. lb. 5.75 -14.50
Southern, cns .....lb. 3.25 -19.50
synthetic (see Methyl salicylate)
Wood (see Oil, tung).
Wormseed, NF, cns .....lb 7.85 - 8.65
Wormwood, cns .....lb 6.75 - 7.50
Ylang-ylang, Bourbon, bots....lb.18.00 -30.00
extra, bots .....lb.25.00 -35.00
Madagascar bots ..... lb. No stocks.
Olein, crude (see Oil, red).
white, low titre, dms.....lb. .27¾- .29
tankcars .....lb. .26¼- —
Oleostearin, bbls.....lb. .18 - .18¼
Olivine aggregate c.l., mines ton 7.00 9.50
crushed 8 mesh bulk c.l. works. ton 10.00 - —
paper bgs., c.l. works..ton 12.00 - —
Opium, USP, cns. .....lb 19.20 -19.45
gran., USP, cns. .....lb.21.65 -21.90
powd., USP, cns. .....lb.21.65 -21.90
Orange, cadmium, lithopone, bbls. frt. alld. E. of Rockies lb. 1.65 - —
Chrome, CP, bbls., divd. N. of Tenn. and N. C. & of Miss. R., includ. Davenport, Tenn. and N. C. E. of Minneapolis, Rock Island, St. Louis, St. Paul lb. .32 - —
Chrome orange prices are ½c. higher, divd. Ala., Fla., Ga., La. (Shreveport); 1¼c. Miss., N. C., S. C., Tenn. Dallas and Ft. Worth, Tex.; 1½c. El Paso, Tex.; 2c. Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. higher divd. Pac. Coast, for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago
Dinitroanilin toner.....lb. 1.30 - —
Orange, mineral, American, bbls., l.c.l., ship't point, frt. alld. lb. .2310- .2385
Molybdated, bbls.....lb. .45 - —
Orthonitroanilin toner, kegs ..lb. 1.15 - —
Persian, bbls .....lb. .65 - —
Orange flowers, nis .....lb 40 45
Peel, bitter, Haitian, bls.....lb. .13 - .15
sweet, bls..... .....lb. .17 - .18
Oregano, Italian, bgs.....lb. .15 - .18¼
Mexican, bgs .....lb. .14 - .15
Portuguese, bgs. .....lb. .15 - .15¼



8 out of 10 say it's *best* for

FLAVOR

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UNIFORMITY

Yes, more than 80% of all the lemon oil used in the United States is Exchange Lemon Oil!

This overwhelming endorsement by the trade is your guarantee that Exchange Lemon Oil delivers *quality*... quality in the form of superior *flavor* and unmatched *clarity* and *uniformity*.

Always specify it by the brand name when you order—Exchange Oil of Lemon. For complete satisfaction, accept no other brand.

Exchange

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180 Varick Street, New York 14, N. Y.

Distributors for:
CALIFORNIA FRUIT GROWERS EXCHANGE
Products Department, Ontario, Calif.

Producing Plant:
Exchange Lemon Products Co., Corona, Calif.

Orris root, Florentine, bls.....lb. .20 - .22
powdered, bbls., bxs.....lb. .25 - .26
Verona, bls. .....lb. .14 - .15
powdered bbls, bxs ..... lb. .19 .24
Orthoaminobiphenyl, dms., c.l., works lb. .32½- —
l.c.l. same oasis..... lb. .33 —
tanks same oasis ..... lb. .31 —
Orthoanisidin bbls ..... lb. .33 - —
Orthochloroanilin dms. 10,000 lbs. or more lb. .65 - —
smaller lots ..... lb. .75 - —
Orthochloroparanitroanilin dms. dlvd lb. .80 - —
Orthochlorophenol dms. c.l. frt. equald lb. .30½ .31½
l.c.l., same basis..... lb. .31½- .32½
Orthocresol pure, 30° C. non-ret., dms c.l. frt equald lb. .198 - —
l.c.l., same basis lb. .201 - —
ret dms. c.l. same basis lb. .195 - —
l.c.l., same basis..... lb. .20 - —
29° C. non-ret. dms., c.l., same basis lb. .188 - —
l.c.l., same basis ..... lb. .191 - —
ret dms., c.l., same basis lb. .185 - —
l.c.l. same basis ..... lb. .19 - —
24-29° C. non-ret. dms., c.l., same basis. lb. .178 - —
l.c.l., same basis ..... lb. .181 - —
tanks same basis ..... lb. .165 - —
Orthodichlorobenzene, dms c.l., works frt. alld E of Rockies lb. .11¼- —
l.c.l., same basis ..... lb. .12½- .12½
tanks, same basis ..... lb. .09¾ —
Orthoisopropyl N-phenylcarbamate (see IPC).
Orthonitroanilin dms lb. 58 .55
Orthonitrochlorobenzene, dms ... lb. .20 .21
Orthonitrophenyl tech. dms. c.l., works lb. .14½- —
l.c.l. works ..... lb. .15 - —
tanks, works ..... lb. .13 - —
Orthonitroparachlorophenol cns lb. .75 - —
Orthonitrophenol, bbls, works.. lb. .94 - —
Orthonitrotoluene dms., c.l., frt. alld. lb. .10 - —
l.c.l., frt. alld..... lb. .11 - —
tanks, frt. alld ..... lb. .09 - —
Orthophenetidin dms., works .. lb. 1.00 - —
Orthotoluidin, dms., c.l., works lb. .23 - —
l.c.l., same basis..... lb. .24 - —
tanks, same basis..... lb. .22 - —
Osage orange crystals, bbls., No. 1, l.c.l lb. .40 - —
extract, liquid, No. 1, bbls., l.c.l lb. .19 - —
Orthotolidin, (see Tolidine Base)
Ouabaine, USP, bots..... gram. 3.00 - 4.00
Ox gall, dried, gran. or powd., dms., 5 lbs. and up lb. 4.35 - —
Oxyquinolin sulphate, cns., 100-lb. lots, works. lb 4.75 - 5.00
smaller lots, works..... lb. 5.23 - 5.38

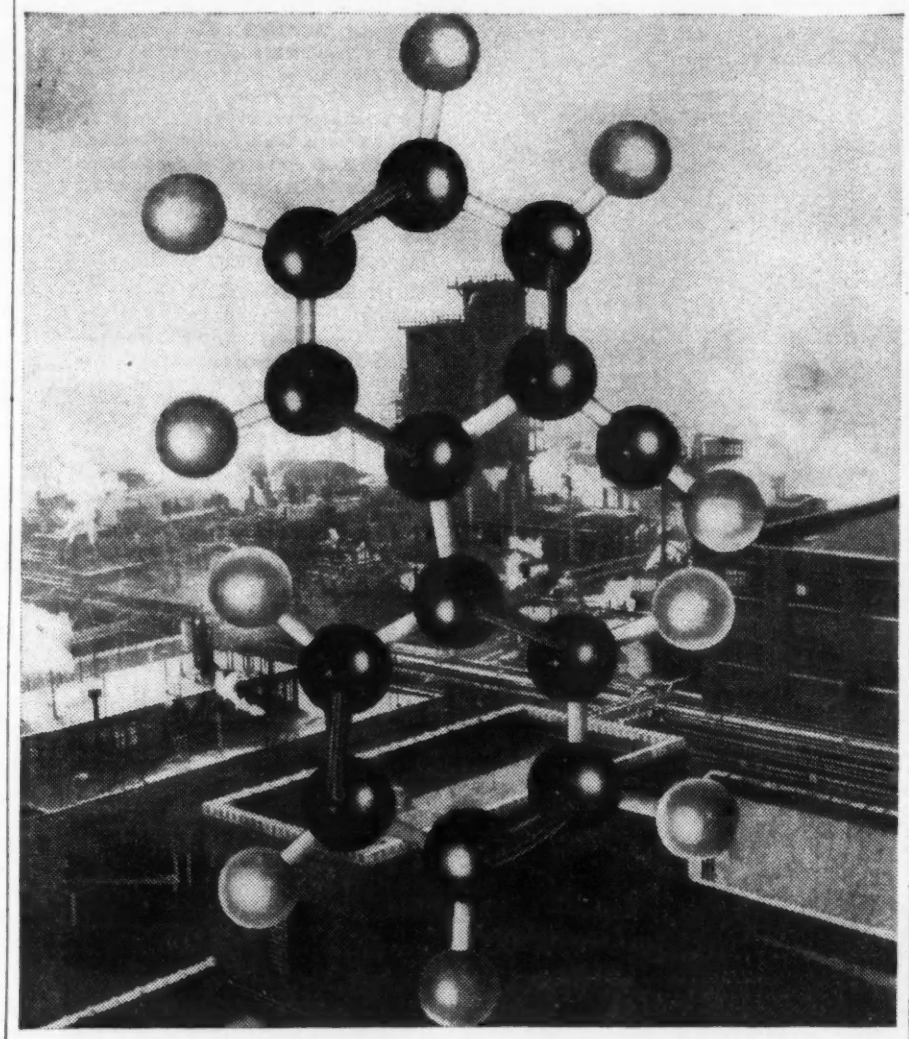
P

Pancreas substance, assay 1:75 bots lb 5.75 6.25
Pancreatin, USP., bots ..... lb 2.50 3.00
Parthenol bots, works frt adjust kilo 90.00 - —
Papain, powd., NF, African, cs. lb. 5.75 - 8.00
Ceylon, cs ..... lb. 4.25 - 5.00
Papaverine natural or synthetic hydrochloride USP cns 1,000 oz. lots oz. 5.00 - —
smaller lots..... oz 5.05 - 5.20
Sulphate, cns ..... oz. 7.10 - 7.35
Paprika Chilean bgs ..... lb. .29½ Nom
Portuguese, bgs..... lb. .36 - .37
Spanish, bgs ..... lb. .36 - .38
Para-anisidin dms., works ..... lb. .88 - —
Para-acetylaminonenzaldehyde thiosemicarbazone, dms., frt. adjusted lb.17 50 -21.00
Para-aminophenol, bbls frt alld lb. .93 —
Parachlorophenol, dms. c.l., frt. equald lb. .30½- .31½
l.c.l. same basis .. lb. .31½- .32½
Parachloroanilin dms. frt. alld. E. Miss lb. .75 - —
Parachloro-orthonitroanilin, dms., frt. alld lb. .80 - —
Paracresol, 98% dms. dlvd lb. .50 - —
Methylether, cns..... lb. 2.15 - 2.50
Paracymene, dms., works, 50 gals. or more gal. 2.50 - —
smaller lots ..... gal. 3.00 - —
Paradibromobenzene bgs. 500-lb. lots. lb. .55 - —
Paradichlorobenzene, dms., c.l., works lb. .14½- —
l.c.l., same basis..... lb. .17 - .20
Paraffin, crude, scale, white, 121-123 ASTM, solid, ctns., bbls., c.l., ref'y lb. .07½- —
l.c.l., same basis lb. .09½- —
fully ref'd, slabs, 122-124 ASTM, loose, c.l., ref'y lb. .0745- —
125-127 ASTM, loose, c.l., ref'y lb. .0745- —
130-132 ASTM, loose, c.l., ref'y. lb. .0755- —
132-134 ASTM, loose, c.l., ref'y. lb. .0770- —
135-137 ASTM, loose, c.l., ref'y. lb. .0805- —

Paraffin prices in bags and ctns., c.l., 7 10c. per lb. higher; 1,000 to 9,999 lbs., 2.7c. per lb. higher and under 1,000 lbs., 3.7c. per lb. higher.

Paraformaldehyde tech. 94-95% powd., dms., c.l., dlvd., N. Y lb. .16½- —
10,000 lbs to c.l. same basis. lb. .18 - —
1,000-9,999 lbs. same basis lb. .19 - —
less than 1,000 lbs., same basis lb. .21 - —
94-95% powd. dms., c.l., works. lb. .14½- —
10,000 lbs to c.l. same basis. lb. .15½- —
1,000-9,999 lbs., same basis. lb. .16½- —
less than 1,000 lbs., same basis lb. .18½- —
91-92%, flake, fib. dms., c.l., N. Y. delivery. lb. .14½- —
works ..... lb. .12½- —
10,000 lbs., to c.l., N. Y., delivery. lb. .16 - —
works ..... lb. .13½- —
1,000-9,999 lbs., N. Y., delivery. lb. .17 - —
works ..... lb. .14½- —
less than 1,000 lbs., N. Y., delivery. lb. .19 - —
works ..... lb. .16½- —
Paraformaldehyde, USP, X, fib. dms., c.l., dlvd. N.Y.C. lb. .19 - —
10,000 lbs. or more..... lb. .19¾- —
1,000 to 9,999 lbs..... lb. .20½- —
smaller lots ..... lb. .23 - .36
Paraldehyde, tech., 98%, 55 gals. dms., c.l., works lb. .13½- —
l.c.l., works..... lb. .14½- —
tanks, works..... lb. .12½- —
Paranitroanilin, dms., c.l., works, frt. alld lb. .45½- —
l.c.l., frt. alld..... lb. .48½- —
Paranitrochlorobenzene, kgs. works. lb. .21 - .32
Paranitrophenol, kgs., works, frt. equald. lb. .46 - —
Paranitrotoluene, kgs., frt. alld. lb. .36 - —
Paraphenetidin, dms., works.... lb. .90 - —
Paraphenylphenol, bgs., c.l., works, lb. .34½- —
l.c.l., same basis ..... lb. .37½- —
Paraphenylenediamine, redistilled, dms. works lb 2.30 2.80
tech., refd., dms., same basis. lb. 1.10 - 1.30
Paratertiarybutylphenol, bgs., c.l., works lb. .23 - —
l.c.l. same basis..... lb. .26 - —
Parathion, spray powder, 15%, dealers, tins lb. .72 - —
tech., dms., works..... lb. 1.50 - —
Paratoluenesulphonamide bbls., works lb. .70 —
Paratoluidin, solid, bbls., frt. alld. lo. .61 - —
flake, same basis ..... lb. .64 - .66
Pareira brava root, whole, bgs. lb. .30 - .35
ground, bxs ..... lb. .40 .45
powder, bxs ..... lb. .43 .50
Paris green, dealer, distributor, dms., c.l., works, frt. alld. on 96 lbs. or over lb. .35 - .36
l.c.l., same basis..... lb. .39 - .67
Passion flower herb, bls..... lb. .45 - .50
Peanut meal, 45%, sacked, mills.ton. 69.00 - —
Pectin, citrous, NF, nowd, bbls lb. 2.05 - 2.06
tech., powd., bbls..... lb. 1.50 - —
Penicillin crystalline potassium, unlabeled vials, 100,000 units..vl. .102 - —
200,000 units ..... vl. .151- —
500,000 units ..... vl. .28 - —
1,000,000 units ..... vl. .52 - —
2,000,000 units ..... vl 1.00 - —
potassium, bulk, sterile, over 25,000,000,000 unit lots.... 100,000 unit. 04 - —
tablet grade, over 25,000,000,000 unit lots..100,000 units. .03½- —
Penicillin, procaine, bulk, over 25,000,000,000-unit lots ... 100,000 units. .04 - —
sodium, unlabeled, vials..... 100,000 units vl. .10¾- —
200,000 units ..... vl. .16 - —
500,000 units ..... vl. .30½- —
1,000,000 units ..... vl. .57 - —
2,000,000 units ..... vl. 1.03 - —
bulk over 25,000,000,000 unit lots..100,000 units. .04 - —
Pennyroyal herb, bls ..... lb. .45 .50
Pentachlorophenol dms. c.l., works frt. equald lb. .20 - —
l.c.l., same basis lb. .23 .28
truckload 20,000 lbs., min., same basis lb. 20¼- —
Pentaerythritol, tech., bgs., c.l., works lb. .34 - —
l.c.l., works ..... lb .35 .37
Di and tri-isomers (see Dipentaerythritol and Tripentaerythritol)
Pentane industrial tanks group 3.. gal. .12 - 13½
Pepper, black, bags, spot.....lb. 1.63 - 1.64
May shipment ..... lb. 1.63 - —
June-July shipment .....lb. 1.63 - —
Red, Carolina, longs, bgs.....lb. .23 - .24
Haitian, bgs .....lb. .27 - .28
birdeyes, bgs .....lb. .28 - .29
Japanese hontakas, bgs.....lb. .21½- .22
birdseyes, bgs.....lb. .38 - .39
Louisiana longs, bgs.....lb. .23 - .24
Mexican, sports, bgs .....lb. .35 - .36
Mississippi sports, bgs., source lb. .30 - .31
Nigerian, caps, bgs.....lb. .23 - .24
Sierra Leone, bgs.....lb. .45 .46
Sudanese small, bgs.....lb. .42 .43
Turkish, bgs.....lb. .17 - .21
White, bgs .....lb. 2.90 - 3.00
Peppermint, USP, dom., bls.....lb. .60 - .65
imported bls ..... lb. .50 - .90
Pepsin, NF, 1:3,000 bulk, containers..lb. 3.75 - 3.90
Perchloroethylene, dms., c.l., or truckloads, works..lb. .11 - —
dlvd. E.....lb. .13½- —
l.c.l., works.....lb. .11¾- —
dlvd. E.....lb. .14 - —
tanks, works.....lb. .10 - —
dlvd. E.....lb. .12½- —
Peru, balsam, dms.....lb. 2.50 - 2.75
Petrolatum, amber, dms., c.l., refy. lb. .05¾- .05¾
l.c.l., dlvd.....lb. .07⅛- —
tanks, refy. .....lb. .04½- —
cream, dms., c.l., refy.....lb. .06⅞- .07⅛
l.c.l., dlvd.....lb. .09⅛- —
tanks, refy.....lb. .05⅝- —
extra, amber, dms., c.l., refy..lb. .05¾- .05⅞
l.c.l., dlvd.....lb. .07⅜- —
tanks, refy.....lb. .04⅜- —
USP, white lily, dms., c.l., ref'y. lb. .07¼- .07⅛
l.c.l., dlvd.....lb. .09½- —
tanks, refy.....lb. .06 - —
cream, dms., c.l., refy....lb. .06⅞- .07⅛
soft, dms., c.l., refy.....lb. .07½- .07¾
l.c.l., dlvd.....lb. .09⅛- —
tanks, refy. .....lb. .06¼- —
snow, dms., c.l., refy.....lb. .07⅜- .08
l.c.l., dlvd.....lb. .10 - —
tanks, refy.....lb. .06⅛- —
yellow, soft, dms., c.l., refy..lb. .05¾- .05⅞
l.c.l., dlvd .....lb. .07¼- —
tanks, refy .....lb. .04⅜- —

Orris Root—Petrolatum



Ortho-PHENYLPHENOL, Technical, may fit into your program

Ortho-phenylphenol, technical, available now from Monsanto, has numerous possibilities in addition to its present uses. In this day of shortages, it may be the answer to some of your problems.

Typical Analysis

Appearance and Color.....Light tan-white solid
Crystallizing Point.....50.6° C.
% Ortho P.P. (from Cryst. Pt. Curve)....95.2
Phenol (from Cryst. Pt. Curve)..... 4.8
First Drop.....277° C.
50%.....288° C.
Dry Point.....289° C.
Containers: 475-lb., 55-gal., 18-gauge black iron drums.
Classification: Insecticide, Agricultural, NOIBN, other than liquid.

Applications

Following is a partial list of uses and possibilities of ortho-phenylphenol, technical. A number of these applications are protected by patents. We suggest thorough patent research, since Monsanto cannot assume responsibility for patent infringements. Uses and possibilities of the product include:

Rubber chemicals
Controlling decay in oranges
Activator for nicotine insecticides
Fruit preservation
Mildew control
Stem and rot control
Wood preservative
Granary pest control
Stabilizers for esters
Resin intermediates
Insectifuge
Germicides
Rat repellent
Lubricant additive
Flea repellent
Styrene stabilizer
Chicken louse control
Fungistatic action
Leather disinfectant
Psoriasis treatment
Plant growth inhibitors
Alkyl phenyl phenol production
Condensation with formaldehyde

If these uses suggest applications in your business, write for further information. Address the nearest Monsanto Sales Office or MONSANTO CHEMICAL COMPANY, Organic Chemicals Division, 1700 S. Second St., St. Louis 4, Mo.

MONSANTO INTERMEDIATES NOW AVAILABLE

Ortho-Aminobiphenyl
Para-Chloroaniline
Toluenesulfonic Acid

FOR AVAILABILITY INFORMATION on the following Monsanto intermediates, check with the nearest Monsanto Sales Office

Benzyl Chloride
Benzoic Acid, Technical
Cyclohexylamine
Dicyclohexylamine
Dinitroaniline
Dinitrochlorobenzene
Meta-Chloroaniline
Meta-Nitrochlorobenzene
Ortho-Nitrochlorobenzene
Ortho-Anisidine
Ortho-Phenetidine
Salicylic Acid, Technical
Thiourea

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924 Brown-Marx Building
Telephone, 7-0877

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Telephone, Everett 7-5010

Charlotte 2, North Carolina
1117 Johnston Building
Telephone, 2-3454

Chicago 54, Illinois
1104 Merchandise Mart Building
Telephone, Whitehall 4-6750

Cincinnati 2, Ohio
1517 Carew Tower
Telephone, Dunbar 1414

Clevel d 14, Ohio
875 Union Commerce Building
Telephone, Superior 1-3830

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Telephone, Trinity 2-5728

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Telephone, Atwood 6421

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Telephone, Richmond 7-7201

New York 22, New York
445 Park Avenue
Telephone, Plaza 9-8200

Philadelphia 7, Pennsylvania
723 Widener Building
Telephone, Locust 4-0247

Portland, Oregon
421 S. W. Sixth Avenue
Telephone, Broadway 2549

San Francisco 4, California
111 Sutter Street
Telephone, Yukon 6-6232

Seattle 4, Washington
911 Western Avenue
Telephone, Main 4203

Montreal, Canada
425 St. Patrick Street
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URGENT! *Please return tank cars, carboys and drums as quickly as possible. Containers are "tight." Your supplier can give you better service if you return containers immediately.*

MONSANTO CHEMICALS — PLASTICS

Serving Industry ... Which Serves Mankind

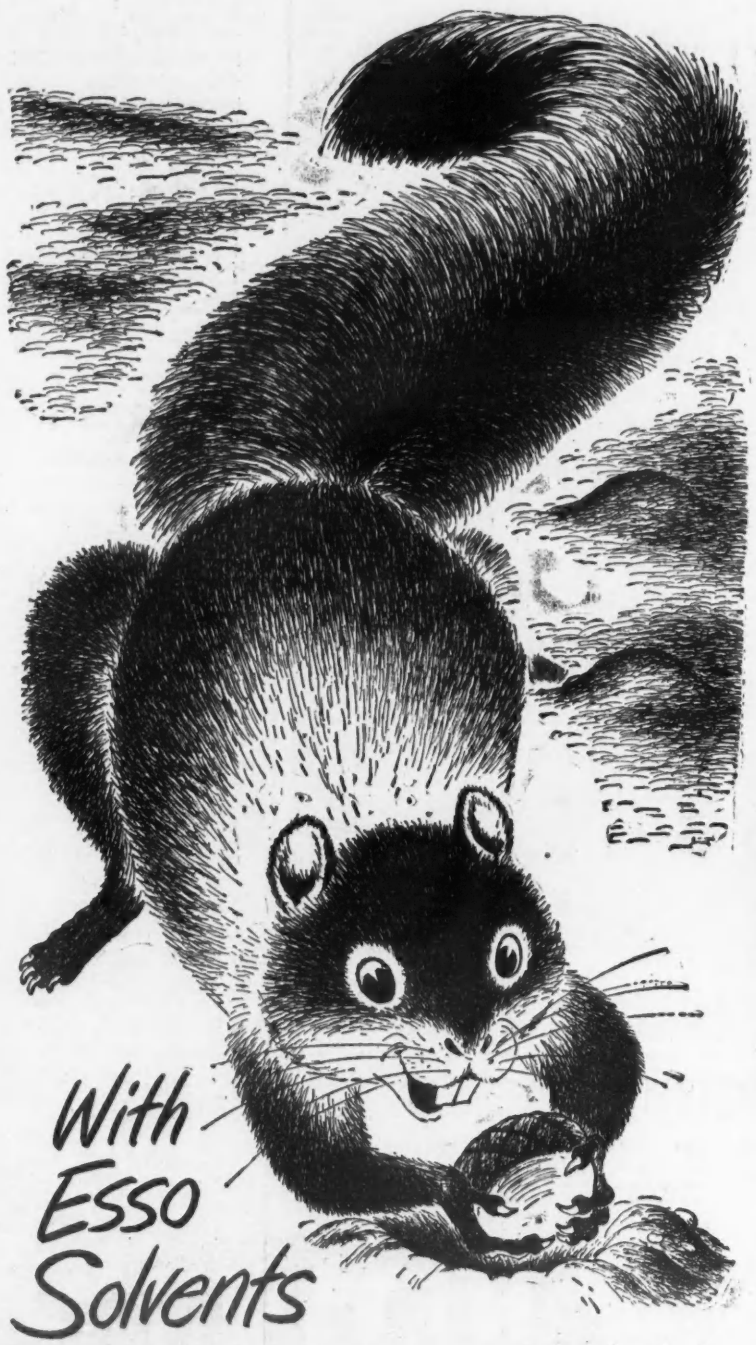
Petroleum—Pinetar

Petroleum, crude bulk, at wells, California bbl 1.10 - 2.99
Illinois bbl 2.44 - 2.87
Kentucky bbl 2.42 - 2.83
Louisiana Arkansas bbl 2.08 - 2.90
Montana bbl 1.28 - 2.775
Oklahoma Kansas bbl 2.16 - 2.65
Pennsylvania lower field bbl 3.82 - —
Upper field bbl 4.25 - —
Texas, East bbl 2.65 - —
Gulf coast bbl 2.38 - 2.95
North North-Central bbl 2.23 - 2.65
Panhandle bbl 2.23 - 2.65
West bbl 2.33 - 2.65
Wyoming bbl 1.28 - 2.875
ether, laboratory, 30°-60° C, 10-gal. cns., dlvd. E. lb. 1.50 • —
dms., c.l. group 3 gal. 26 • —
l.c.l. same basis gal. 44 • —
35°-60° C, 10-gal. cans, dlvd. E. gal. 1.50 • —
dms., c.l., Group 3 gal. 26 • —
l.c.l., same basis gal. 44 • —
40°-75° C, 10-gal. cns., dlvd, E gal. 1.50 • —
dms., c.l., Group 3 gal. 26 • —
l.c.l. same basis gal. 44 • —
90°-160° C. ret dms., ex tax, f.o.b. San Francisco gal. .57 • —
fuel oil, bunker C, No. 6, California, heavy tanks, refinery bbl. 1.95 - 2.15
light, tanks, refinery bbl. 2.00 - 2.25
eastern, tanks, Albany, N. Y. bbl. 2.50 • —
Baltimore, Md. bbl. 2.18 • —
Boston, Mass. bbl. 2.20 • —
Charleston, S. C. bbl. 2.13 • —

Petroleum, fuel oil, bunker C, No. 6, eastern, tanks, Jacksonville, Fla. bbl. 2.12 • —
N. Y. Harbor bbl. 2.15 - 2.20
Norfolk, Va. bbl. 2.18 • —
Philadelphia, Pa. bbl. 2.18 • —
Portland, Me. bbl. 2.23 • —
Providence, R. I. bbl. 2.175 • —
Savannah, Ga. bbl. 2.13 • —
Diesel, tanks, refinery, California gal. .075 - .115
Pennsylvania gal. .0925- .0975
Furnace, tanks, refinery, Arkansas, No. 2 gal. .085 • —
No. 3 gal. .08125- —
N. Y. Harbor, No. 2 gal. .091 • —
Group 3, No. 1 gal. .09 - .09375
No 1, straw gal. .09 - .09375
No. 2, straw gal. .08375- .08750
range gal. .09125- .09250
Pennsylvania, western, No. 1. gal. .105 • —
No 2 gal. .1025- .1075
No. 3 gal. .1025- —
Lacquer diluent, California, 170-225 F, b.r., tanks, ex tax, f.o.b. Los Angeles gal. .167 • .207
East coast, tanks, N. J. and N. Y. refinery gal. .18 • —
group 3, benzol-type, tanks, refinery gal. .13125- .13625
toluol-type, tanks, refinery, gal. .12125- .12625
Mineral spirits, California, tanks, ex tax, f.o.b. San Francisco gal. .157 • .197
East coast, tanks, N. J. and N. Y., gal. .16 • —
group 3, tanks gal. .10875- —

Petroleum, mineral spirits, tankwagon, Baltimore gal. .19½- —
Boston gal. .18 • —
Buffalo gal. .18½- —
Newark gal. .17 • —
New York gal. .17 • —
Philadelphia gal. .16½- —
Pittsburgh gal. .19 • —
Providence gal. .18½- —
Rochester gal. .20 • —
Syracuse gal. .21 • —
Washington, D. C. gal. .19½- —
Naphtha, cleaners, East Coast, tanks, N. J. and N. Y. refinery gal. .16 • —
Group 3, tanks gal. .11875- —
tankwagon, Newark gal. .16½- —
New York gal. .17 • —
Philadelphia gal. .16 • —
high-flash, 140° F, group 3, refinery, tanks gal. .13 • .145
high solvency 200-285 b.r., 37-38° C., mixed anilin pt., tanks, refinery or East coast gal. .25½- —
25-26° C., m.a.p., tanks, same basis gal. .24 • .30½
270-370 b.r., 78-81° C, a.p., tanks, same basis gal. .29 • —
49° C., m.a.p., tanks, same basis gal. .32 • —
26-27° C., m.a.p., tanks, same basis gal. .24 • .33
300-400 b.r., 28-32°C., m.a.p., tanks, same basis gal. .24 • .30½
340-410 b.r., 36° C., m.a.p., tanks, same basis gal. .24 • —
32° C., m.a.p., tanks, same basis gal. .24 • —
27° C., m.a.p., tanks, same basis gal. .34½- —
350-425 b.r., 32° C., m.a.p., tanks, same basis gal. .30½- .33

Petroleum naphtha, V.M.&P., tanks, ref'y., California, 245-360 b.r., Los Angeles gal. .147 • —
Portland, Ore. gal. .158 • —
San Francisco gal. .152 • —
Seattle, Wash. gal. .158 • —
East coast, N. J., N. Y., tanks gal. .17 • —
Group 3, tanks gal. .11875- —
tankwagon, Boston gal. .19½- —
Newark gal. .18½- —
New York gal. .18½- —
Philadelphia gal. .18 • —
Pittsburgh gal. .20 • —
Solvent, rubber, California, tanks, ex tax, San Francisco gal. .152 • —
East coast, N. J., N. Y., gal. .17 • —
Group 3, tanks gal. .11875- —
tanks gal. .1225- —
Stoddard, California, tankwagon, ex-tax, Los Angeles gal. .157 • .197
East coast, N. J., N. Y., tanks gal. .16 • —
Group 3, tanks gal. .11375- —
Pennsylvania, western, tankwagon, Boston gal. .18 • —
Newark gal. .17 • —
New York gal. .17 • —
Philadelphia gal. .16½- —
Pittsburgh gal. .19 • —
Syracuse gal. .21 • —
Sulphonate, 70% sulphonic content, non-ret. dms., c.l., works lb. .2040- —
l.c.l., works lb. .2065- —
tanks, works lb. .1850- —
60-62% sulphonic content, non-ret., dms., works lb. .1865- —
l.c.l., works lb. .1890- —
tanks, works lb. .1675- —
50-55% sulphonic content, non-ret., dms., works lb. .1590- —
l.c.l., works lb. .1615- —
tanks, works lb. .14 • —
Phenobarbital, USP, dms., 100 lb.s. lb. 4.50 - 4.70
Phenobarbital-sodium, USP, dms lb. 4.50 - 4.70
Phenol, 90-92% (cresol, 8-10%), dms., c.l., frt. alld. E. of Rockies lb. .18½- —
l.c.l., same basis lb. .19¼- —
tanks same basis lb. .16¾- —
82-84% (cresol, 16-18%), dms., c.l., same basis lb. .18½- —
l.c.l., same basis lb. .19¼- —
tanks, same basis lb. .16¾- —
USP, synthetic, dms., c.l., same basis lb. .19 • —
l.c.l., same basis lb. .19¾- —
tanks, same basis lb. .17¼- —
tar, distilled, dms., c.l., same basis lb. .19 • —
l.c.l., same basis lb. .19¾- —
tanks, same basis lb. .17¼- —
Phenolphthalein, USP or yellow, bbls., dms., 2,000 lbs. lb. 1.10 • —
smaller lots lb. 1.12 • 1.17
Phenothiazin, NF, fib. dms., c.l., frt. adjusted lb. .50 • —
over 2,100 lbs., same basis lb. .52 • —
less than 2,100 lbs., same basis lb. .54 • —
Phenylacetaldehyde solution, 50%, bots lb. 2.45 - 2.70
100% bots lb. 4.00 - 4.75
Phenylacetamide, 125-lb. dms., works, lb. lots lb. 1.25 • —
smaller dms., works lb. 1.30 - 1.60
Phenyl acetate, dms., 100-lb. lots, works lb. .50 • —
Salicylate (see Salol).
Phenylalanine dextro laevo, dms., works lb. 27.00 -37.50
Phenylcarbethoxy pyrazolone, 250 lb. fib. dms., dlvd. E. lb. 3.60 • —
less than 250 lb. dms., dlvd. E. lb. 4.00 • —
Phenyldiethanolamine, dms., c.l., works lb. .43 • —
l.c.l., works lb. .44 • —
Phenylethanolamine, dms., c.l., works lb. .67½- —
l.c.l., same basis lb. .68½- —
Phenylethyl acetate, dms lb. 1.50 - 1.90
Phenylethylphenyl acetate, bots lb. 3.85 - 4.50
Phenylhydrazin base, CP, bots lb. 3.00 - 3.07
Hydrochloride, commercial, kgs., works lb. 1.75 • —
CP, bots., works lb. 5.12 • —
Phenylisocyanate, dms., works lb. 2.00 • —
Phenylmethylpyrazolone (see Methylphenylpyrazolone).
Phloroglucinol, com'l, fib. dms., works lb. 7.00 • —
C.P., bots., fib. dms lb. 16.00 - 17.75
tech., fib., dms., works lb. 10.45 • —
Phosgene, 150-lb. cyls., works lb. .27½- —
Phosphate, defluorinated (see under D)
Phosphate rock, Curacao, Atlantic ports ton. 40.00 • —
Florida, land pebble, run-of-mine, washed, dried unground, bulk, c.l., mines, 70%-68%, b.p.l., c.l., same basis long ton. 4.35 - 4.40
72%-70%, b.p.l., c.l., same basis long ton. 5.00 • —
75%-74%, b.p.l., c.l., same basis long ton. 6.00 • —
77%-78%, b.p.l., c.l., same basis long ton. 7.00 • —
finely ground, 65% b.p.l., basis 30% P_2O_5 minimum, bulk, c.l., mines, short ton. 4.92 • —
68% b.p.l., basis 31% P_2O_5 minimum mines, short ton. 5.28 • —
70% b.p.l., basis 32% P_2O_5 minimum, mines, short ton. 5.83 • —
plus or minus usual bonus adjustment clause for oil and labor. Prices on entirely pebble, 50c. per long ton higher than above quotations.
Tennessee, brown, run of mine, unground, 27-28% P_2O_5, c.l., mines, long ton. 6.45 • —
30-29% P_2O_5 c.l., mines long ton. 7.21 • —
Phosphorus, red, amorphous, cs., works lb. .42 • —
dms., works lb. .39 • .40
Yellow, cns. lb. .30 • .37
dms., c.l. lb. .26 • —
Oxychloride, dms., works lb. .14 • .17
Pentasulphide, dms., c.l., works. lb. .12 • —
l.c.l., dms., works lb. .13 • .14
Pentoxide, dms., c.l., works lb. .12 • —
l.c.l., works lb. .13 • .14
Sesquisulphide, tins, cs., works lb. .28 • .29
dms., expert lb. .33½- .36
Trichloride, dms., c.l., works lb. .14 • —
l.c.l., works lb. .15 • .18
Phthalic annydride, bgs., c.l., works, frt. equald lb. .19 • .20½
l.c.l., same basis lb. .20 • .21½
tanks, same basis lb. .18½- .20
Bbls ½c. per pound higher.
Phthalimide, bbls., works lb. 1.10 - 1.37
Pichi leaves, bgs lb. .16 • .17
Picoline (see Alphapicoline and Betapicoline).
Pilocarpine hydrochloride, NF, bots. oz. 5.25 • —
Nitrate, USP, bots., vials oz. 5.10 - 5.20
Pimento, Jamaica, bgs lb. .26 • .26½
Pinetar retort, dms., extra, c.l., works, South lb. .0488- —
l.c.l., same basis lb. .0511- —
whse., N. Y. C. lb. .0655- —
tanks, works, South lb. .041 • —



STORAGE FACILITIES and WATER TERMINALS in industrial centers give added convenience to the users of Esso Solvents. Shipments are made to meet users' requirements . . . by tank cars, tank trucks or drums. Specify Esso Solvents for dependable, convenient delivery right to your door!

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5. Solvency — Esso aliphatics and Solvesso aromatics cover both high and low solvency ranges.

6. Modern handling methods — separate tank storage, pumping lines, tank cars and trucks, are used throughout in all Esso Solvent handling operations.

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Boston, Mass. — New York, N. Y. — Elizabeth, N. J. Philadelphia, Pa. — Baltimore, Md. — Richmond, Va. Charleston, W. Va.—Charlotte, N. C.—Columbia, S. C. Memphis, Tenn.—New Orleans, La.

Pinkroot, bls ..... lb. 1.75 - 1.90
Piperidine, 95%, dms., frt. equald. lb. 1.65 - 1.93
98% dms., same basis ..... lb. 1.75 - 2.60
Piperazine hexahydrate, bots... kilo. 9.00 -10.00
Pipsissawa herb (see Prince's pine).
Pitch, burgundy, domestic, dms. tnc., works, South, 1 to 4 dms. lb. .1054- —
5 to 19 dms. ..... lb. .1029- —
20 or more dms. ..... lb. .0909- —
whse., N.Y.C., 1 to 4 dms. lb. .1148- —
5 to 19 dms. ..... lb. .1123- —
20 or more dms. ..... lb. .1003- —
Coaltar, 150° F. m.p., bbls., c.l., works ton. 34.00 -37.00
l.c.l., works ton. 37.00 -41.00
Cottonseed, dms., works ..... lb. .08 - .10
Hardwood, paper bgs., c.l., works. lb. .02 —
Linseed, dms. ..... lb. .06 Nom.
Petroleum (see Asphalt).
Pine, dms., inc., l.c.l., works, South ..100 lbs. 7.50 - —
Soybean, dms., works ..... lb. .05 Nom.
Tall, dms., works ..... lb. .06 - .06½
Plaster of paris (see Gypsum).
Platinum metal, works ..... oz. 90.00 -93.00
Pleurisy root, bls ..... lb. .38 - .40
Podophyllum resin, NF, dms..... lb. 14.70 -15.45
Pokeroot, bls. ..... lb. .18 - .20
Polyoxyethylene sorbitan monostearate dms., 20,000 lbs., works lb. .45 - —
10,000-20,000 lbs., works lb. .47 - —
smaller lots, works ..... lb. .50 - —
tristearate, dms., 20,000 lbs., works lb. .45 - —
10,000-20,000 lbs., works lb. .47 - —
smaller lots, works ..... lb. .50 - —
Polystyrene, colors, special, bgs., over 30,000 lbs., frt. alld. lb. .34½ - —
20,000-29,999 lbs., same basis lb. .35 - —
10,000-19,999 lbs., same basis lb. .35½ - —
5,000-9,999 lbs., same basis, lb. .36 - .37½
standard, bgs., c.l., l.c.l. ..... lb. .34½ - —
crystals, neat-resistant, bgs., c.l., l.c.l. lb. .32 - —
standard, bgs., c.l., l.c.l. ..... lb. .30½ - —
Polystyrene in non-returnable fiber dms. ½c. per lb higher.
Pomegranate root bark, bgs. ..... lb. .60 - .65
Poppy flowers, bls ..... lb. .90 - .95
Seed, Argentine, bgs. ..... lb. .16½ - .17
Czech, bgs ..... lb. .18 - .18½
Dutch, bgs ..... lb. .19 - .19½
Polish, bgs ..... lb. .18 - .18½
Turkish, bgs ..... lb. .16½ - .17
Potash, caustic, low-chloride, flake, 88% basis 90% KOH, dms., c.l., works 100 lbs. 10.00 - —
l.c.l., works ..... 100 lbs. 10.75 - —
liquid, 45%, dms., c.l., works 100 lbs. 4.625 - —
l.c.l., works ..... 100 lbs. 5.125 - —
tanks, works ..... 100 lbs. 4.30 - —
solid, 90% dms., c.l., works, 100 lbs. 9.40 - —
l.c.l., works 100 lbs. 10.15 - —
regular, flake 88-92%, dms., c.l., works ..100 lbs. 8.50 - —
l.c.l., works 100 lbs. 9.25 - —
liquid, 45% basis, dms., c.l., works ..100 lbs. 3.875 - —
l.c.l., same basis 100 lbs. 4.65 - —
tanks, same basis... 100 lbs. 3.55 - —
solid, 88-92%, dms., c.l., works 100 lbs. 7.90 - —
l.c.l., same basis, works, 100 lbs. 8.65 - —
Potassium abietate, dms. ..... lb. .08 - —
Acetate, NF, dms ..... lb. .31 - .36
Bicarbonate, USP, gran., dms. lb. .22 - —
powd., dms ..... lb. .24 - —
Bichromate, bgs., c.l., works... lb. .14 - —
l.c.l., same basis ..... lb. .14¼ - .15
Potassium bichromate in drums, ¾c. higher.
Bitartrate (see Cream of tartar).
Borate, gran., bbls., c.l., works. ton 214.50 - —
ton lots, ex whse ..... ton 277.50 - —
less ton lots, ex whse... ton 282.50 - —
Bromate, bbls., 1,000 lbs. or more, lb. .50 - .52
25-200-lb. lots ..... lb. .55 - .57
Bromide USP cryst., gran., bbls., kgs lb. .34 - .37
Carbonate, tech., calcined, bbls., c.l., works..100 lbs. 8.25 - —
l.c.l., same basis 100 lbs. 9.30 - —
hydrated, 83-85%, bbls., c.l., works 100 lbs. 6.75 - —
l.c.l., works ...100 lbs. 7.50 - —
USP, gran., bbls., dms..... lb. .16½ - .18
powd. bbls. dms lb. .21 .23
Chlorate, cryst., dms., c.l., works lb. .10 - —
l.c.l., works ..... lb. .10¾ - .11½
powd., dms., c.l., works.... lb. .10¼ - —
l.c.l., works ..... lb. .10¾ - .11¾
export dms. 1 to 10 tons, works lb. .13 - .13¾
NF gran. dms. lb .31 .32
Chloride, USP, cryst., dms.... lb. .26 - .27
gran., dms ..... lb. .20 - .22
powd. dms ..... lb. .29 - .32
Chromate, tech., bgs. ..... lb. .32 - .36
Citrate, USP, gran., dms..... lb. .37½ - .39½
powder, dms. ..... lb. .40½ - .41½
Cyanide, dms., works..... lb. .52½ - .55
Fluoride dms., works..... lb. .24 - —
Gluconate, dms. ..... lb. .75 - .79
Glycerophosphate, 75% solution, cbys lb. 2.15 - 2.25
Guaiacolsulphonate, NF, dms. lb. 2.20 - 2.30
Hydroxide, tech. (see Potash caustic).
USP, pellets 100 lb. dms., 1 to 100 dms..... lb. .31½ - .36
Hypochlorite, liquid, cbys., dms., works. 100 lbs. 3.50 - —
Hypophosphite, NF, ton lots or less, fib. dms. lb. 1.00 - 1.03
Iodide, dms ..... lb. 2.15 - 2.20
Manure salt, 22% K_2O, bulk, mines unit-ton. .21 - —
Metabisulphite, gran., bbls..... lb. .21 - —
powd., bbls lb. .25 - —
Muriate, dom., 50-60% K_2O, bulk, Carlsbad, N. M..unit-ton. .42 - —
Trona, Cal. ..... unit-ton. .50½ - —
50-51 K_2O, paper bgs., Carlsbad, N. M...ton. 25.75 - —
Nitrate (see Saltpeter).
Oxalate, neutral, tech., fine gran., bbls., dms lb. .30 - .32
purified, dms. lb. .42 - .44
Perchlorate, dms., c.l., works lb. .14 - —
l.c.l., works ..... lb. .14½ - .15½
Permanganate, tech., dms., works. lb. .22½ - .23½
USP, dms., works ..... lb. .24¾ - .25¼
Persulphate, dms., c.l., works. lb. .24 - .25
Phosphate, tetrasasic, bbls., wks. lb. .13 - .13½
Prussiate, red, kgs. ..... lb. .60 - .63
yellow, dms., ton lots..... lb. .22½ - —
smaller quantities ..... lb. .23 - —
kegs ..... lb. .28 - —
Silicate, glass, bgs., c.l., works. 100 lbs. 14.70 - —
l.c.l. ..... 100 lbs. 15.20 - —
solution, 29° Be., ret. dms., c.l., works 100 lbs 4.50 4.55
l.c.l., 5 dms or more works 100 lbs. 5.25 6.30
Potassium silicate, solut., 30° Be, ret. dms., c.l., works..100 lbs. 4.70 - —
l.c.l., works..... 100 lbs 5.20 - —
32.5° Be., ret. dms., c.l. works, 100 lbs. 4.85 - —
l.c.l., works ..... 100 lbs 5.35 - —
40° Be., ret. dms., c.l., works. 100 lbs. 5.35 - —
l.c.l., works ..... 100 lbs 5.85 - —
40.5° Be. ret. dms., c.l., works. 100 lbs. 6.00 6.75
l.c.l., 5 dms. or more, works .100 lbs. 6.75 - 7.50
1-4 dms., works .100 lbs. 7.25 - 7.90
Stannate, dms., frt. alld. E lb. .810 - .866
Silicofluoride, bbls., works lb. .10 - —
Sulphate, agricultural, 90-95% K_2SO_4, bulk, works, basis 90%..ton. 36.25 - —
NF VII, cryst., dms..... lb. .31 - .33
gran., dms ..... lb 18½ —
powder, dms. ..... lb. .19 - —
Sulphocyanide, cryst., NF (see Potassium thiocyanate).
Thiocyanate, NF, cryst., dms lb. .82 - 1.06
tech., works..... lb. .77 - .79
Titanate, ctns., c.l., works... lb. .12½ - —
5 tons, works..... lb. .12¾ - —
1 ton or less, works ..... lb. .13 - —
Potassium-magnesium sulphate bulk works basis 40% K_2SO_4, 18% MgO ton. 16.00 - —
Potassium-sodium tartrate (see Rochelle salt)
Potassium-titanium fluoride, fib. dms., works lb. .35 - .36
Potassium-titanium oxalate bbls. kgs lb. .72 - .85
Potassium-zirconium fluoride, fib. dms., c.l., works..lb. .50 - —
l.c.l., works..... lb. .52½ - .55
Pregnenolone, bots. ..... gm. 1.50 - 1.75
Acetate, bots. ..... gm. 1.25 - 1.50
Prickly ash bark bls..... lb. .25 - .28
Berries bgs. ..... lb. .70 - .75
Prince's pine herb, bls. ..... lb. .50 - .55
Procaine hydrochloride USP, dms., contract 1,000 lbs. or more, works lb. 3.75 4.00
spot ..... lb. 4.00 4.50
Progesterone USP, 100 gms., bots gm. 2.60 - 3.30
Propane commercial grade tanks group 3 gal. .04 - —
Propionaldehyde, dms., 5,000 lbs. or more, custom contract. lb. .60 - —
Propyl aldehyde (see Propionaldehyde)
Gallate, dms., ton lots to 100 lb. lots, works lb. 3.90 4.40
Parahydroxybenzoate USP dms lb 2.30 2.40
Propylene dichloride, dms., c.l. lb. .08½ - 09½
l.c.l. ..... lb. .09½ - 10½
tanks ..... lb. .07 08
Oxide, dms., c.l., frt. alld. E lb. 19½ - 20½
l.c.l. frt alld., E ..... lb. .20½ - 21½
tanks, frt. alld. E ..... lb. 17½ - 18½
Propyleneglycol, USP, dms., c.l., frt. alld., E lb. .20¼ - 21¼
l.c.l., same basis..... lb. .21¼ - .22¼
tanks, same basis ..... lb. .18½ - .19½
tech., dms., c.l., frt. alld. E lb. .19¼ - .21¼
l.c.l., same basis ..... lb. .20¼ - .22¼
tanks, same basis..... lb. .17½ - .18½
Propyleneglycol methylether, dms., c.l., frt, equald. lb. .19½ - —
l.c.l., same oasis ..... lb. .20½ - —
tanks, same basis ..... lb. .18¼ - —
Propylthiouracil bots. 50 kilos or more kilo. 55.00 —
smaller lots ..... kilo. 55.10 - 55.30
Psyllium seed, black, bgs ..... lb. .24 .25
blonde, bgs ..... lb. .20 - .22
husks, bgs ..... lb .65 .66
Pulsatilla herb, ols ..... lb. .40 .50
Pumice, dom., grd. coarse, 0½, 1, 1½ 2, 3 bgs., ton lots. lb. 03½ - 04
smaller lots lb. 03¾ 04¼
Italian, silk-screen, coarse, bgs., ton lots..lb. .05½ - —
fine, bgs. ton lots lb .04 - —
sun dried, coarse, bgs., ton lots lb .02½ - —
fine, bgs., ton lots lb .02¼ - —
Pumice in bbls. is ½c. per lb higher.
Pumpkin seed, bgs ..... lb. .18 - .28
Purple take (see Red).
Pyrethrum flowers, fine-grd., 0.9% pyrethrins, bbls., works lb. .50 - —
powder, 1.3% pyrethrins, bbls., works lb. .71½ - —
liquid (20 to 1) basis 2 grams pyrethrins per 100 cs. odorless basis, bbls., works gal. 14.00 - —
(30 to 1), basis 3 grams pyrethrins per 100 cc., odorless base, bbls., works gal. 20.80 - —
oleoresin, dewaxed, 20%, for aerosol bombs, dms., works lb. 15.50 -16.00
Pyrethrin synthetic (see Allethrin)

COATINGS FORMULATED WITH

PENTEK®

Manufacturers of automotive and marine finishes get extra toughness and durability of film in their products through the use of pentaerythritol. That's why Heyden PENTEK is finding a steadily increasing demand as a preferred polyhydric alcohol for the production of alkyds, drying oils and varnishes.

In addition to lasting beauty, fine gloss and easy-to-clean qualities, surface coatings made with PENTEK have high resistance to water and soap, highly important qualities in architectural paints and interior enamels.

PENTEK is shipped in 80 lb. multiwall bags. Write for samples and technical literature.

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FINE HEYDEN CHEMICALS

Serving Industry Through Finer Chemicals

Benzaldehyde • Benzoates • Benzyl Chloride • Bromides
Chlorinated Aromatics • Creosotes • Formaldehyde • Formic Acid
Glycerophosphates • Guaiacols • Hexamethylenetetramine
Medicinal Colloids • Methylene Disalicylic Acid
Paraformaldehyde • Parahydroxybenzoates
Penicillin • Pentaerythritols • Propyl Gallate • Resorcinol
Salicylates • Salicylic Acid • Streptomycin

HEYDEN CHEMICAL CORPORATION
393 Seventh Avenue, New York 1, N. Y.
CHICAGO • PHILADELPHIA • SAN FRANCISCO • DETROIT • PROVIDENCE

Pyridin—Saltcake

Pyridin, denaturing, dms., c.l., works, and frt. equald. gal. 2.67 - —
i.c.l., same basis..... gal. 2.70 - —
ref., 2°, non-ret. dms., c.l., same basis lb. .89½- 1.04½
i.c.l., same basis..... lb. .90 - 1.05
Pyridoxine hydrochloride, 100-gram bots gram .55 - —
Pyrites, Spanish, c.i.f., Atl. ports long-ton 8.00 - —
Pyrocatechol (see Catechol)
Pyrophyllite standard, 200 mesh, Bulk, c.l., mines ton.11.50 - —
230 mesh, bulk c.l., mines ton.12.50 - —
325 mesh, bulk c.l., mines ton.15.75 - —
No. 3, 200 mesh, bulk, c.l., mines. ton.10.00 - —
Insecticide grade, 200 mesh, bgs., c.l., mines ton.12.00 -12.50
rubber grade, 140 mesh, bgs., c.l., mines ton.10.50 -11.00
Standard and No. 3 pyrophyllite in paper bgs., $3 to $3.50 per ton extra.
Pyroxylin, USP, bots lb 9.54 - —
Scrap, opaque, amber, cs., works. lb. .22 - —
black, cs., works..... lb. .16 - —
mixed, mottled, cs., works lb. .15 - —
white, china, ivory, cs., works lb. .17 - —
dense, cs., works..... lb. .17 - —
translucent, pastels, cs., works. lb. .18 - —
translucent, transparent, colorless, cs., works lb. .23 - —
colors, cs., works..... lb. .17 - —
shavings, opaque, amber, cs., works lb. .18 - —
mixed, colors, cs., works lb. .17 - —

Q

Quassia chips, bls .. .. lb. .08 - .09
Quebracho extract, clarified, grd., 70% tannin bgs. c.l., lb. .16½- .16¾
liquid, 85% tannin, bbls., works lb. .08¾- —
tanks, same basis..... lb. .08¼- —
solid, clarif. 64% tannin, bgs., c.l., ex dock, duty extra, lb. .11 - —
ordinary, 63% tannin, bgs., c.l., same basis lb. .10½- —
Quebracho extract prices are based on $20.40 freight and $1 insurance per long ton.
Queen of the meadow root, ngs lb. .20 - .25
Quercitron crystals, No. 1, bbls., l.c.l lb. .40 - —
Extract, No. 1, liquid, bbls., l.c.l., lb. .19 - —
Quicksilver, flasks (76 lbs., net flask.210.00 -212.00
Quince seed, bgs ..... lb 90 1.50
Quinidine, NF, V, cryst., cns., 100-oz. lots oz. 1.90 - —
powd., precip., cns., 100-oz. lots oz. 1.85 - —
Sulphate, USP, cns., 100-oz. lots oz. 1.25 - —
Quinine, NF, cns., 100 ozs ..... oz. .70 - —
Bisulphate, USP, cns., 100 ozs oz. .51 - —
Dihydrochloride, USP, cns ... oz. .70 - —
Ethylcarbonate, NF, cns., 100 ozs. oz. .75 - —
Hydrobromide, NF, cns. 50-oz. cns. oz. .63 - —
Quinine hydrochloride, USP, cns., 100 ozs..oz. .63 - —
Phosphate, NF, cns., 100 ozs....oz. .76 - —
Salicylate NF, cns., 100 ozs.. oz. .66 - —
Sulphate, USP cns. 100 ozs oz. .56½- —
Quinine and Urea hydrochloride, NF, cans. ..oz. .68 - —
Quinolin, ret. dms. c.l., frt. equald. lb. .54½- .64¼
i.c.l., same basis..... lb. .55 - .65
tanks, same basis..... lb. .50 - .60

R

R salt, paste, dry basis dms., frt. alld lb. .87 - —
Raspberries, dried nbls lb 1.60 1.70
Red, BON, arylid, deep shades, bbls. lb. 3.60 - —
light, medium shades, bbls. lb. 2.75 - —
Maroons, resinated, bbls.... lb. 1.50 - —
pure, bbls. ..... lb. 1.75 - —
Cadmium, CP, dark shade, bbls., frt. alld. E. of Rockies.lb. 4.60 - —
light shade, bbls., same basis. lb. 4.20 - —
medium shade, bbls., same basis lb. 4.50 - —
medium-light shade, bbls., same basis lb. 4.30 - —
orange shade, bbls., same basis..lb. 3.80 - —
lithopone, deep shade, bbls., same basis..lb. 1.85 - 1.90
light shade, bbls., same basis. lb. 1.75 - —
maroon shade, bbls., same basis..lb. 2.00 2.10
Red, cadmium, lithopone, medium-light shade, bbls., same basis..lb. 1.80 - —
medium shade, bbls., same basis lb. 1.85 - —
orange-red shade, bbls., same basis..lb. 1.70 - —
Red cadmium lithopone, all shades, in smaller pkgs., 5c. per lb. higher; all prices are 1c. per lb. higher ex whse. Los Angeles and San Francisco.
Carmine, No. 40 (see Carmine).
Crocus martis (see Red, maroon iron oxide).
Dyes (see Dyes, coaltar).
Eosin toner, bbls., works..... lb. 1.60 - —
Indian, dom., pure, bgs., Bethlehem Easton, E. St. Louis, N. Y lb. .12½- —
iron oxide, synth., bgs..... lb. .11¾- .12
75%-85% copperas oxide, bgs., l.c.l., Bethlehem, Pa., Copley O.; Easton, Pa.; E. St. Louis lb. .05¼- .09¼
special, high color, all shades, bgs lb. .60 - —
Lake C, toner, alizarin, bbls., works lb. 1.10 - 1.20
Lithol toner, bbls., works lb. .85 - —
rubin toner, resinated, bbls., works..lb. 1.40 - —
pure, bbls., works ..... lb. 1.50 - —
Virginia, bbls., works .... lb. 1.40 - —
Maroon, toner, BON arylid, dlvd. lb. 3.60 - —
Cadmium, deep, bbls., works lb. 1.20 - —
regular, bbls., works lb 1.10 - —
Iron oxide, bgs., l.c.l., works lb .04 - —
MNPI toner, kgs., works.....lb. 3.60 - —
Maroons in smaller pkgs 5c. per lb. higher.
Mercury oxide, tech., bbls., 10,000 lbs., works. lb. 4.22 - —
smaller lots, works.....lb. 4.24 - —
Metallic, bbls., works.....lb. .02½- .02¾
Oxide (see Red iron oxide).
Persian gulf, bgs, works . lb. .08¾- .07
Para toner, bbls.....lb. .85 - —
Chlorinated, kegs.....lb. 1.10 - 1.15
Phloxin toner (see Red, eosin toner).
Rhodamine, molybdated, PMA, kegs lb. 4.90 - —
tungstated, PTMA, works, kegs. lb. 5.85 - —
Spanish oxide, bbls., c.l., ex dock..lb. .05¼- —
l.c.l., ex dock..... lb. .06 - —
ex whse., New York lb. .06½- —
Toluidin toner, deep shades, kgs., works..lb. 1.60 - —
light shades, kegs, works....lb. 1.45 - —
Turkey, bbls., works.....lb. .14½- —
Tuscan, bbls., frt. equald .....lb. .24½- .25
Venetian 15% bgs., works....lb. .0350- .0375
20% bgs., works.....lb. .04 - —
25% bgs., works.....lb. .0450- —
30% bgs., works.....lb. .0475- —
35% bgs., works.....lb. .05 - —
40% bgs., works.....lb. .0525- —
Vermilion, Amer., bbls.....lb. .32 - —
Quicksilver, ctns. .....lb. 3.82 - —
Watchung, bbls.....lb. 1.95 - —
Lake, bbls., dlvd.....lb. 1.15 - —
Red KB base (see Chloro (4)-2-toluidine).
Red precipitate, NF, powd., bbl. dms..lb. 4.37 - 4.39
Red saunders wood, powd. bbls lb .50 - —
Rennin, NF, powder.....lb. 6.25 - —
Resorcinol, resin grade, dms., c.l., works..lb. .81 - —
l.c.l., works .....lb. .82 - —
tech., dms., c.l., works.....lb. .84 - —
l.c.l., works .....lb. .85 - —
USP, cryst., dms., works.....lb. 2.75 - —
powd., dms., works.....lb. 2.95 - —
Resorcinol, monoacetate, NF, dms., lb. 3.25 - 3.45
Rhatany root, bgs.....lb. .15 - .16
Rhodinol, 5-lb., cans.....lb.48.00 -55.00
Rhubarb root, China, whole, cs..lb. .80 - 1.25
powd., bbls. .....lb. .95 - 1.50
India, whole, bgs.....lb. .30 - .35
powdered, bbls.....lb. .35 - .40
Riboflavin USP, bots., dlvd. kilo.125.00 - —
Readily soluble, bots, dlvd kilo.125.00 - —
Rice bran concentrate, dms., Cedartown, Ga. lb. .79 - —
Rochelle salt, USP, gran., powd., dms., 5,000 lbs. lb. .33½- —
smaller lots .....lb. .34 - .39
Rose flowers, pale, bls.....lb. .35 - .40
Rosemary flowers bls.....lb. 1.55 - 1.65
Leaves, French, bls.....lb. .11 - .11¼
Portuguese, bls.....lb. .06½- .07
Spanish, bls.....lb. .07¼- .07½
Rosin gum (see Naval Stores, Protective Coatings market).
Wood, B, dms., c.l., works..100 lbs. 4.00 - —
FF, dms., c.l., works ..100 lbs. 7.30 - —
G, H, I, dms., c.l., works.100 lbs. 8.80 - —
K, dms., c.l., works.....100 lbs. 8.80 - —
M, dms., c.l., works....100 lbs. 8.80 - —
N, dms., c.l., works.....100 lbs. 8.90 - —
WG, dms., c.l., works....100 lbs. 9.05 - —
WW, dms., c.l., works....100 lbs. 9.50 - —
X, dms., c.l., works....100 lbs. 9.60 - —
Rotenone, CP, bbls., works.....lb.20.00 - —
tech., bbls., works.....lb.16.50 - —
Rottenstone, bgs., c.l., mines..ton.40.00 - —
l.c.l., mines .....ton.48.00 - —
Rue herb, bls.....lb. .35 - .40
Rutin, 10 kilos, fib. dms.....gram. .03 - .04
smaller lots, fib. dms.....gram. .03½- .04
Ryania, 100% powd., bgs., works lb. .20 - —

S

Sabadilla seed, powd., bbls....lb. .73 - —
activated ground with lime, bbls..lb. .45 - .50
Saccharin, USP gran., soluble, dms., 1,000-lb. lots. lb. 1.60 - —
smaller lots .....lb. 1.70 - 1.80
powd., soluble, insoluble, dms., 1,000-lb. lots..lb. 1.65 - —
smaller lots .....lb. 1.75 - 1.95
Safflower, Egyptian, bls.....lb. .65 - .70
Saffron, Mexican, bls.....lb. .90 - .95
Spanish, USP, tins.....lb.26.00 -28.00
Safrol, dms.....lb. 1.15 - 1.75
Sage, Cretan, bls.....lb. .15 - .15½
Cyprus, bls. .....lb. .10 - .12
Dalmatian, bls.....lb. .94 - .95
Greek, fancy bls .....lb. No stocks.
Officinalis, English, bls.....lb. .75 - .80
European, bls.....lb. .45 - .46
Spanish, bls.....lb. .12 - .12½
Syrian, bls.....lb. .14 - .14½
Sago flour, bgs.....lb. .08 - .09½
Sal soda (see Soda sal).
Saligenin, ctns .....lb 14 00 -25.00
Salol, NF, gran., bbls., kgs.....lb. 1.05 - —
fib. dms. .....lb. 1.07 - 1.08
powdered salol, 10c. higher.
Salt, rock, burlap bgs., c.l., works. 100 lbs. 1.09 - —
l.c.l. .....100 lbs. 1.30 - —
paper bgs., c.l.....100 lbs. .94 - —
l.c.l. .....100 lbs. 1.15 - —
Table, vacuum, common, fine, bgs., c.l., works. 100 lbs. 1.09 - —
l.c.l., works.....100 lbs. 1.20 - —
Saltcake, dom., bulk, works, 100% Na_2SO_4 basis..ton.17.00 - —

SPECIFY V-C CHEMICALS

PHOSPHORIC ACIDS

PHOSPHORUS

DISODIUM PHOSPHATE

TRISODIUM PHOSPHATE

TETRASODIUM PYROPHOSPHATE

SODIUM TRIPOLYPHOSPHATE

SODIUM METASILICATE

LIQUID SODIUM SILICATES

NICOTINE

TETRAETHYL PYROPHOSPHATE

OTHER NEW ORGANIC PHOSPHATE CHEMICALS—on a pilot plant basis—will be announced from time to time

VC CHEMICALS®

VIRGINIA-CAROLINA CHEMICAL CORPORATION
Chemicals Division: 401 East Main St., Richmond 8, Virginia

Saltpeter, cryst., bbls., 10 tons. 100 lbs. 14.15 - —
smaller lots 100 lbs. 14.40 -14.55
gran., bbls., 20 tons 100 lbs. 9.50 - —
smaller lots 100 lbs. 10.75 -11.25
powd., bbls., 20 tons 100 lbs. 10.50 - —
smaller lots 100 lbs. 11.75 -12.25
NF, gran., dms lb. .15¾ - .17¾

Saltpeter in bags, 25c. per 100 lbs. less than in barrels; in kegs, $1 more.

Sandalwood chips, East Indies, bgs., lb. .65 - .66
powd. dms lb. .75 - .76
Sanguinarine nitrate lots oz. 4.75 5.50
Santonin, NF., dms., cryst., powd., cns lb. 130.00 Nom.
imported, cryst., powd., cns., kilo. 280.00 -300.00
Saponin, No. 1, cns lb. 2.45 - —
Sarsaparilla root, dom., bls. lb. .45 - .50
Honduras bls lb. .40 .45
Mexican, bls lb. .26 - .28
Sassafras bark, ord., bls lb. .35 - .40
select, bls lb. .50 - .55
Savory, French, bls lb. 11 - .12
Spanish, bls lb. .09 - .10
Saw palmetto berries, bgs. lb. .30 - .35
Scammony resin, gum cns lb 1.95 - 2.20
powd. cns lb 2.05 - 2.30
Root bgs lb 11 14
Scopolamine hydrobromide, bots oz. 15.00 -16.00
Hydrochloride USP, bots oz. 84.00 —
Seidlitz mixture, bbls., 5,000 lbs lb. .30½ - —
smaller lots lb. .31 - .33
Selenium powd., dms., dlvd lb. 3.25 - —
Senega root, bls lb. 2.80 - 3.00
Senna leaf, Alex., half-leaf, bls lb. .18 - .20
sifting, bgs. lb. .14 - .16
Tinnevelly No. 1, bls. lb. .22 - .24
No. 2, bls lb. .20 - .21
No. 3, bls lb. .18 - .20
powdered, bls., oxs lb. .20 - .24
Pods, bls. lb. .30 - .35
Serpentaria root, bls lb. 3.50 Nom.
Sesame seed, Chinese, white, natural, bgs. lb. .18 - .18½
hulled, bgs lb. .23 - .23½
Nicaragua, hulled, bgs. lb. .26 - .30
natural, bgs lb. .18 - .18½
Turkish, bgs lb. .16 - .17
Shaeffer's salt, bgs., frt. alld lb. .80 - —
Shellac, bleached, bonedry, bgs., 1,500-lb. lots lb. .56 - —
bbls., 1,500-lb. lots lb. .57 - —
kgs., 1,500-lb. lots lb. .59 - —
refined, bgs., 1,500-lb. lots lb. .66 - —
bbls., 1,500-lb. lots lb. .67 - —
kgs., 1,500-lb. lots lb. .69 - —

Bonedry shellac prices for less than 1,500 lbs., 1c. per lb. higher for all packages.

Lemon, No. 1, bgs lb. .53 - .54
No. 2 bgs lb. .51 - .52
Superfine, bgs, 10 bgs lb. .49 - .50
TN, bgs., 10 bgs lb. .47 - .48

Shellac in 1 to 9 bgs., 1c. more.

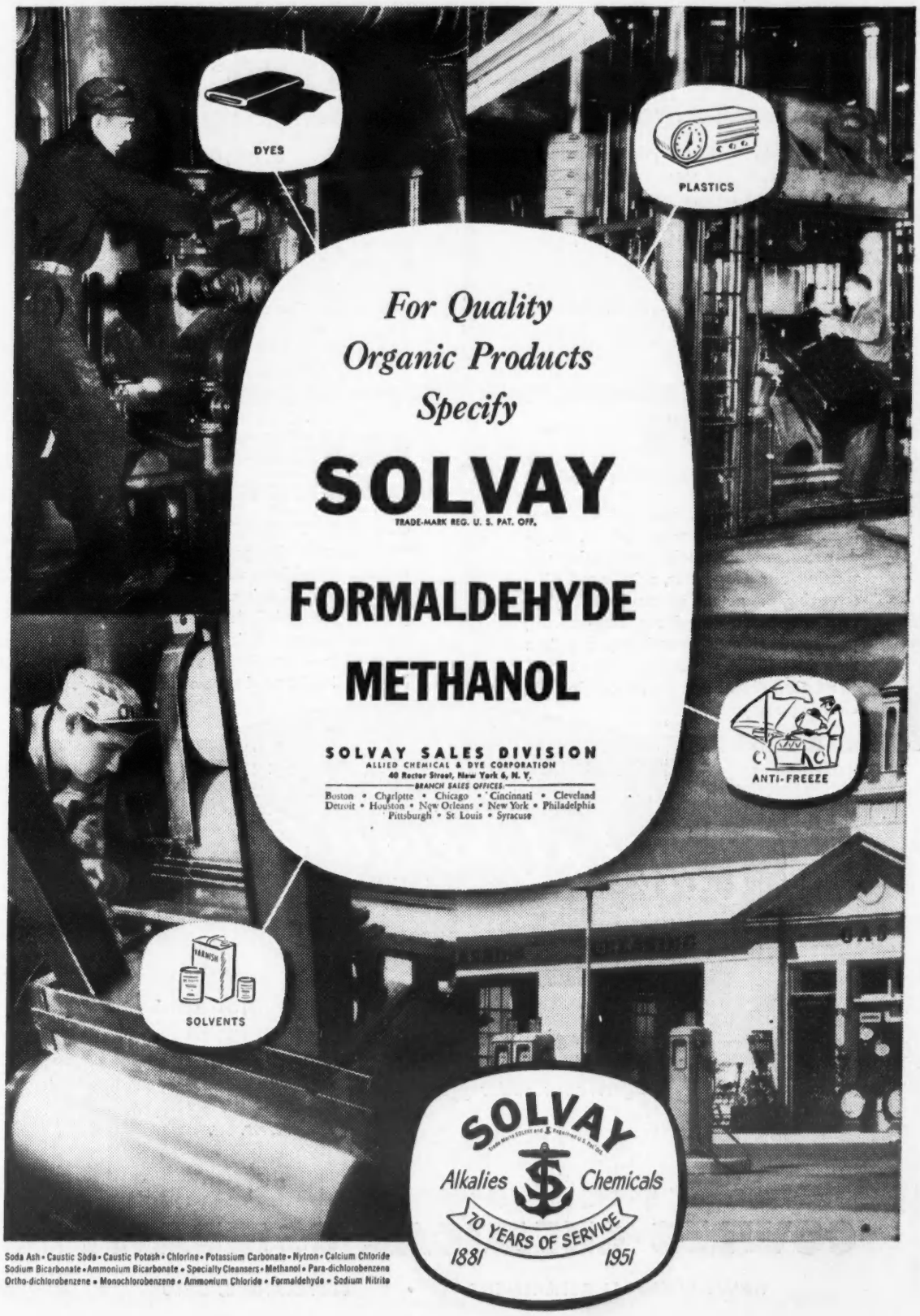
Silica, amorph., dry-grd., 325 mesh, bgs., c.l., Ill., works ton. 25.00 - —
l.c.l., works ton. 30.00 -40.00
hard-quartz, 99½%, 325 mesh, bgs., c.l., works ton. 20.00 —
l.c.l., works ton. 25.00 -30.00
140 mesh, bgs., c.l., works ton. 15.00 - —
l.c.l., works ton. 20.00 - —
Tetrachloride, tech., dms., c.l., works lb. .14½ - —
l.c.l., works lb. .18½ - .20½
Silver bullion, ingots, cs oz. .90 16 -
Cyanide, fib, dms., 2,500-oz. lots oz. .79½ - —
1,000-oz. lots oz. .79⅜ - —
500-oz. lots oz. .79⅝ - —
100-oz. lots oz. .79⅞ - —
nitrate, CP, cryst., bots., 2,500-oz. lots oz. .56⅝ - —
1,000-oz. lots oz. .57⅝ - —
500-oz. lots oz. .58⅜ - —
250-oz. lots oz. .58⅞ - —

USP granular silver nitrate, 4c. per oz. higher.

Proteinate, mild, USP, bots., dms., 1,000-oz. lots oz. 1.05 - —
strong, NF, bots., dms., 1,000-oz. lots oz. 1.00 - —
Simaruba bark, bls lb. .85 Nom.
Skullcap herb, Eastern, bls. lb. .50 - .55
Western, bls lb. .30 - .35
Skunk cabbage root, bls lb. .35 - .40
Slate flour, bgs., c.l., works ton. 11.00 -12.00
l.c.l., ex whse ton. 20.00 -60.00
Sloe berries, bgs lb. .24 - .28
Smalt, black, ctns lb. .15 - —
Blue, ctns. lb. .18 - —
Snakeroot, Canada bls lb. .90 - 1.00
Soapbark, bls. lb. .27 - .31
crushed, bls, bbls lb. .32 - .35
powd., bbls lb. .35 - .37
Soda ash, dense, 58%, paper bgs., c.l., works 100 lbs. 1.60 - —
l.c.l., stock points 100 lbs. 2.85 - 4.62
bbls., c.l., works 100 lbs. 2.15 - —
l.c.l., stock points 100 lbs. 3.35 - 4.12
bulk, c.l., works 100 lbs. 1.30 - —
light, 58%, paper bgs., c.l., works 100 lbs. 1.50 - —
l.c.l., stock points 100 lbs. 2.75 - 4.52
bbls., c.l., works 100 lbs. 2.05 - —
l.c.l., stock points 100 lbs. 3.25 - 5.02
bulk, c.l., works 100 lbs. 1.20 - —
Soda caustic, flake, powd., 76%, c.l., works 100 lbs. 3.75 - —
l.c.l., stock points 100 lbs. 4.95 - 6.77
liquid, 50%, sellers' tanks, works, dry basis 100 lbs. 2.55 - —
rayon-type, tanks, works, dry basis 100 lbs. 2.65 - —
70%, sellers tanks, works, dry basis 100 lbs. 2.65 - —
rayon-type, tanks, works, dry basis 100 lbs. 2.75 - —
solid, 76%, dms., c.l., works 100 lbs. 3.35 - —
l.c.l., stock points 100 lbs. 4.55 - 5.05
Sal, bgs., c.l., works 100 lbs. 1.40 - —
l.c.l., works 100 lbs. 1.70 - —
Soda-lime, USP, dms lb. .23 - .25
Sodium acetate, anhyd., dms., works, lb. .11½ - .13
NF, gran., dms., works lb. .16 - —
Alginate, refined, water soluble, bbls., works lb. .83 - —
semi-refined, bbls., works lb. .54 - —
NF, white, powd., dms., works, ton lots lb. 1.40 - —
smaller lots lb. 1.55 - 1.65
Aluminate, 20,000 lbs. or more, bgs 100 lbs. 8.50 - —
smaller lots 100 lbs. 9.50 - —
Antimoniate, bbls., c.l., dlvd. E lb. .40½ - —
l.c.l., dlvd lb. .41½ - —
Arsenate, dealers, dms., c.l., works lb. .12½ - —
Arsenite, dealers, dms., works lb. .13½ - .15¼
solution, dms., works gal. .70 - 1.10
Benzoate, tech., bbls., dms., 100 lbs. or more lb. .35 - .39
USP, bbls., dms., 100 lbs. or more lb. .42 - .46
Bicarbonate, USP, gran., bgs., c.l., works 100 lbs. 2.50 - —
l.c.l., works 100 lbs. 3.15 - —
Bicarbonate, USP, powd., bgs., c.l., works 100 lbs. 2.10 - —
l.c.l., works 100 lbs. 2.75 - —
Bichromate, bgs., c.l., works lb. .10½ - —
l.c.l., same basis lb. .10¾ - .11⅛
Sodium bisulphite, powd., bgs., c.l., works 100 lbs. 3.90 - —
Bifluoride, bbls., c.l., works, frt. equald lb. .13½ - —
l.c.l., same basis lb. .14½ - —
Bisulphate, bulk, c.l., works 100 lbs. 2.00 - —
dms., c.l., works 100 lbs. 2.65 - 3.85
l.c.l., works 100 lbs. 3.05 - 3.65
Bisulphite, powd., bgs., c.l., works 100 lbs. 3.90 - —
l.c.l., works 100 lbs. 4.15 - —
solut. 35° bbls., c.l., works 100 lbs. 1.40 - —
l.c.l., works 100 lbs. 1.80 - 4.30
Borate (see Borax).
Bromide, USP, bbls., kgs., works lb. .34 - .35
Cacodylate, NF, jars, dms lb. 7.15 - 8.00
Carbonate, anhydrous (see Soda ash)
crystalline, decahydrated (see Soda, sal).
monohydrated, bgs., c.l., works, 100 lbs. 2.65 - —
l.c.l., works 100 lbs. 3.05 - —
Chlorate, cryst., dms., c.l., works lb. .08½ - —
l.c.l., works lb. .09½ - .11¼
Chloride, tech. (see Salt).
USP dms lb. .21 - —
Chlorite, tech., dms., works lb. .75 - —
Chloroacetate, tech., dms., c.l., works lb. .20 - —
l.c.l. dms, works lb. .21 - .22
Chromate, dms., c.l., works lb. .12¼ - —
l.c.l., same basis lb. .12½ - .13¼
Citrate, anhyd., dms lb. .60 - .65
NF VIII, dms lb. .23 - .28
USP XIV, gran., dms lb. .28 - .32
Sodium citrate USP powd. prices ½c. higher.
Sodium cyanate, dms., 1,000 lbs., works lb. 1.10 - —
smaller lots, works lb. 1.25 - —
Cyanide, 96-98%, dms lb. .17 - .19
Diacetate, 33-35% acidity, bbls., works lb. .13½ - .15
Fluoride, white, 90%, bbls., c.l., anhydrous, dms., works lb. .16 - .17½
works lb. .10¾ - —
l.c.l., works lb. .11 - .11¼
95%, bbls., c.l., works lb. .11 - —
l.c.l. works lb. .11¼ - —
Fluoracetate, monobasic, 8-oz. tins, 50 to a case, works lb. 12.00 - —
2 to 25 tins to case, works lb. 12.00 -16.50
1 oz. tins, 16 to 64 to case, works lb. 16.50 -21.00
tribasic, ton lots lb. 11.00 - —
Formate, bgs., c.l., dlvd 100 lbs. 7.10 - —
l.c.l. 100 lbs. 8.15 - —
Gluconate, dms lb. .83 - .85
Glutamate, monobasic, dms., c.l., dlvd lb. 1.60 - —
smaller lots, dlvd lb. 1.61 - 1.63
Glycerophosphate, NF, cryst., bbls. lb. 1.80 - 1.95
powder, bbls lb. 1.85 - 2.00
solution, 75%, cbys lb. 1.06 - 1.21
Hydride, dms, works lb. 2.00 3.00
Hydrosulphide (see Sodium sulphydrate).
Hydrosulphite, dms., c.l., frt. alld lb. .24½ - .25½
l.c.l., frt. alld lb. .25 - .26
Hydroxide, tech. (see Soda caustic), USP, pellets, 100 lb. dms., 1 to 100 dms lb. .21½ - .26
Sodium hypophosphite, NF, ton lots or less, dms lb. .95 - .99
Hyposulphite, tech., bgs., works, 100 lbs. 4.00 - —
l.c.l., same basis 100 lbs. 4.40 6.90
photo grade, bgs., c.l., works 100 lbs. 4.00 - 4.25
l.c.l., same basis 100 lbs. 4.40 7.15
pea crystals, bgs 100 lbs. 4.50 - —
gran., bgs., c.l., works 100 lbs. 5.00 - —

Sodium hyposulphite crystals in bbls 50c. higher.

NF (see Sodium thiosulphate).
Iodide, USP, bots., dms lb. 2.69 - —
Lactate, edible, 50%, dms., cbys., works lb. .21½ - —
60% dms., cbys., works lb. .26½ - —
tech., 50%, dms., cbys., works, lb. .16½ - —
Lauryisulphate, dms., c.l., dlvd lb. .27 - —
l.c.l., dlvd lb. .28 - —
tanks, dlvd lb. .25 - —
Metaborate, octa-hydrate, gran., bgs., c.l., works ton. 78.50 - —
l.c.l., ex whse ton. 124.50 129.50
tetrahydrate, c.l. bbls. works ton. 199.50 - —
Sodium metaborate, c.l., bbls., $20 per ton higher.
Metal, tanks, works lb. .16 - —
bricks, dms., works lb. .17 - .19
Metanilate, bbls., frt. alld lb. .62 - —
Metasilicate, anhyd., bgs., c.l., works 100 lbs. 4.60 - —
l.c.l. works 100 lbs. 6.10 - —
dms., c.l. 100 lbs. 4.95 - —
l.c.l. 100 lbs. 6.45 —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Ortho-dichlorobenzene • Monochlorobenzene • Ammonium Chloride • Formaldehyde • Sodium Nitrite

Sodium Metasilicate, Pentahydrate—Strontium Chloride

Sodium metasilicate, pentahydrate, bgs., c.l., works, frt. equald..100 lbs. 4.00 - —
l.c.l., bgs. works 100 lbs. 4.40 - 6.90
bbls., c.l., works .. 100 lbs. 4.80 - —
l.c.l., works ...100 lbs. 5.20 - —
Molybdate, anhyd., bbls., works, lb. .60 - —
Monohydrate (see Sodium carbonate, monohydrated).
Naphthionate bbls ..... lb. .70 - —
Nitrate, crude, dom., bgs., cn., works..ton.48.50 - —
bulk, c.l., works ton.45.00 - —
imp. 100-lb bgs. c.l. Atl Gulf Pac. whse ton.53.50 - —
bulk, c.l., same basis ton.50.00 - —
Nitrite, bbls., c.l., works, frt. equald. lb. .07¼- —
l.c.l., same basis lb. .08¾- —
USP gran. dms..... lb. .17 - —
Orthosilicate, anhyd., dms., c.l., works 100 lbs. 6.00 - —
l.c.l., works..... 100 lbs. 7.60 - —
Hydrated flake bbls. c.l. works 100 lbs. 4.75 - —
l.c.l., works..... 100 lbs. 5.50 - —
Oxalate, neut., bgs., works lb. .10½- —
Para aminobenzoate, dms., 1,000 lbs. or more lb 3.50 - —
smaller lots ..... lb. 3.65 - 4.00
Para-aminosalicylate, dms., 1,000-lb. lots, frt. adjusted.. lb. 5.25 - —
smaller lots, same basis.. lb. 5.30 - 5.75
Pentachlorophenate, briquets, bgs., c.l., works, frt. equald. lb. .23½- —
l.c.l. same basis lb. .24½- .26½
pellets, bgs., c.l., same basis lb. .23 - —
l.c.l., same basis..... lb. .24 - .26

Sodium pentachlorophenate, powd., bgs., c.l., same basis...lb. .22 - —
l.c.l., same basis.....lb. .23 - .25

Truckloads of pentachlorophenate of 20,000 lbs. min. available at ¼c. per lb. over carlot prices.

Perborate, USP, tech., bbls., c.l., works. lb. .19¾- —
l.c.l., works..... lb. .20¾- .21¾
Peroxide, dms., c.l., dlvd. E. of Miss. lb. .21 - —
l.c.l., same basis.....lb. .21½- .22
Phenolsulphonate, USP IX, gran., dms. lb. .44 - —
powd., dms..... lb. .47 - —
Phosphate, dibasic, anhydr., bgs., c.l., works..100 lbs. 7.45 - —
l.c.l., works.....100 lbs. 7.55 - —
duohydrate, bgs., c.l., works, 100 lbs. 6.65 - —
l.c.l., works .....100 lbs. 7.65 - —
USP, dried, powd., bgs., dms. works lb. .19 - .20½
monobasic, anhyd., bgs., c.l., works. 100 lbs. 7.80 - —
l.c.l., works ..... 100 lbs. 8.20 - —
tribasic, cryst., bgs., c.l., works, frt. equald..100 lbs. 4.15 - 5.30
l.c.l., same basis. 100 lbs. 4.55 - 8.20
Sodium phosphates in bbls., 40c. higher than bgs.
Prussiate, yellow, bgs., 10 tons. lb. .13½- —
smaller lots..... lb. .14 - —
Pyrophosphate acid, bgs., c.l., works, frt. equald..100 lbs.10.00 -10.75
ferric, dms., 1,500 lbs., works. lb. .40 - —
smaller lots, works....lb. .42 - —

Sodium pyrophosphate, tetrabasic, anhy., bgs., c.l., works, frt. equald..100 lbs. 7.40 - 7.50
l.c.l., frt. equald..100 lbs. 7.80 - 7.90
Salicylate, USP, dms..... lb. .63 - —
Sesquicarbonate, bgs., c.l., works. 100 lbs. 2.10 - —
l.c.l., dlvd. zone 1....100 lbs. 3.85 - 4.25
zone 2.....100 lbs. 4.11 - 4.51
zone 3.....100 lbs. 4.40 - 4.70
zone 4.....100 lbs. 5.11 - 5.50

Sales zones are: (1) All States E. of Miss. R. and N of south bound of Ky. and Va.; Ala., La., and Miss., south of 31° Tex. E. of 100°; S. of 31° Fla.; also Me., N. H., and Vt., in which there are special county zones; Davenport, Ia., and St. Louis; (2) Ark. E. of 93° Ga.; Iowa (except Davenport), Minn.; Mo. (except St. Louis), Neb., E. of 98° N. C., S. C., Tenn. and Tex. N. of 31° and E. of 100° (except Wichita Falls); also Ala., La. and Miss. No of 31°; (3) Ark. W. of 96°, Kan., Neb. W of 98°; N. D., Okla., S. D., Tex., W. of 100° (including Wichita Falls excluding El Paso); (4) Ariz., Colo., Idaho, Mont., Nev., N. M., Utah, Wyo., and El Paso, Tex.

bbls., c.l., works.....100 lbs. 2.45 - —
Sesquisilicate, anhy., dms., c.l., works..100 lbs. 5.50 - —
l.c.l., works.....100 lbs. 7.00 - —
Silicate, liquid, 40°, turbid., dms., c.l., works..100 lbs. 1.30 - —
l.c.l., works.....100 lbs. 1.60 - 1.65
tanks, works..... ton.19.00 - —
52°, turbid., dms., c.l., works. 100 lbs. 2.20 - —
l.c.l., works.....100 lbs. 2.50 - 2.75
tanks, works .....ton.37.00 - —
solid, bgs., works.....ton.55.00 - —

Sodium silicofluoride, bbls., c.l., works..lb. .05 - —
l.c.l., works ..... lb. .054 - .0701
Stannate, dms., works, frt. alld. E..lb. .762 - .813
Stearate, USP anhyd., bbls., works lb. .51 - .56
Sulphanilate, bbls., works .... lb. .22 - —
Sulphate, NF, VII, dried, gran., dms..lb. .22½- —
tech., anhyd., bgs., c.l. works. 100 lbs. 2.00 - —
l.c.l., works .....100 lbs. 2.35 - 2.60
cryst (see Glauber's salt).
USP, cryst., bbls ..... lb. .17 - .19
gran., bbls ..... lb. .17 - .17½
Sulphide, flake, bbls., c.l., works, frt. equald..100 lbs. 5.00 - —
l.c.l., same basis ...100 lbs. 5.40 - 5.90
fused, bbls., c.l., works, frt. equald..100 lbs. 4.50 - —
l.c.l., same basis ...100 lbs. 5.00 - —
Sulphite, anhyd., by-product, powd. bgs., c.l. frt. equald 100 lbs. 2.50 - 2.75
l.c.l. same basis 100 lbs. 3.25 - 3.75
regular, cryst., bgs., c.l., works 100 lbs. 4.80 - —
l.c.l., same basis 100 lbs. 5.20 - 6.45
powder, bbls., c.l., works.. 100 lbs. 6.75 - —
l.c.l., works.....100 lbs. 7.25 - —
Sulphocyanide, CP (see Sodium thiocyanate).
Sulphoricinoleate, bbls..... lb. No prices.
Sulphydrate, flake, 70-72%, dms., works, c.l..lb. .06¼- —
l.c.l., works ..... lb. .06¾- —
liquid, 36-40%, basis 100%, tanks, works ..ton.100.00 - —
Tetrasulphide, liquid, 40%, dms., c.l., works..lb. .03¼- —
l.c.l., works.....lb. .03¾- —
Thiocyanate, CP, dms..... lb. .55 - .65
tech., dms., works ..... lb. .30 - —
Thiosulphate, NF, cryst., bbls..lb. .12½- —
tech (see Sodium hyposulphite).
Titanate, cns., c.l., works.....lb. .10 - —
cns., dms., works.....lb. .80 - 1.02
5 tons, works.....lb. .10¼- —
1 ton or less, works.....lb. .10½- .11
Trichloroacetate, dms ..... lb. .46 - .55
Trichloroacetate, 90%, nonagricultural use, 100 lb. dms., c.l., frt. alld., E. lb. .37½- —
l.c.l., frt. adjusted, E lb. .39½- —
50 lb. dms., c.l., frt. alld., E..lb. .38 - —
l.c.l., frt. adjusted, E lb. .40 - —
10 lb. cns., c.l., frt. alld., E..lb. .44 - —
l.c.l., frt. adjusted, E..lb. .46 - —
Prices West of the Rockies are 1¾c. per pound higher.
Tripolyphosphate, bgs., c.l. works, frt. equald .....100 lbs. 7.75 - 8.00
l.c.l., same basis.....100 lbs. 8.15 - 8.40
Tungstate, tech., kgs., dlvd. East lb. 3.15 - —

Sodium-ammonium phosphate, bbls., works, frt. equald lb. .23 - —
Sodium carboxymethylcellulose. See CMC.
Sodium-cinchophen (see Cinchophen-sodium).
Sodium-formaldehyde sulfoxylate, c.l., dms., dlvd..lb. .25½- —
l.c.l., same basis.....lb. .26 - —
Sodium-sulpha drugs (see Sulpha name).
Sodium-zirconyl sulphate, fiber dms., 1,000 lbs. or more, works lb. .28 - —
less than 1,000 lbs. same basis.
Solvent naphtha, coaltar, tanks, works..gal. .31 - .34
high-flash, tanks, works ..gal. .31 - .34
petroleum, 100°F., tanks, Baytown, Tex..gal. .31 - —
Bayonne .....gal. .35 - —
150°F. flash, tanks, Baytown, Tex gal. .31 - —
Sorbitan monostearate, fib. dms., 20,000 lbs., works lb. .35 - .36
10,000 to 20,000 lbs., works. lb. .37 - .38
smaller lots, works..... lb. .40 - .43
Tristearate, fib. dms., 20,000 lbs. works..lb. .36 - —
10,000 to 20,000 lbs., works..lb. .38 - —
smaller lots, works.....lb. .41 - —
Sorbitol, cryst., pellets, dms., c.l., works lb. .30 - —
ton lots to 5 tons, works. lb. .32 - .33
powd., dms., ton lots to 5 tons, works lb. .38 - .39
solution, commercial, aqueous, dms., c.l., works. lb. .24¼- —
ton lots, works.....lb. .25¼- —
less ton lots, works.....lb. .26 - —
tanks, works .....lb. .23½- —
regular, 70%, aqueous, dms., c.l., works..lb. .16¼- —
ton lots, works..... lb. .17 - —
less ton lots, works..lb. .17½- —
tanks, works ..... lb. .15½- —
Soybean meal, 41% bulk, Decatur. ton.60.00 -61.00
protein, chemically isolated, 40,000 lbs., dlvd..lb. .24 - —
20,000 lbs., same basis...lb. .24¼- —
smaller lots, same basis lb. .24½- .28
mechanically refined, bgs., 40,000 lbs., same basis..lb. .0600- —
20,000 lbs., same basis...lb. .0615- —
smaller lots, same basis..lb. .0630- —
Sparteine sulphate, cns.....oz. .85 - 1.25
Spearmint leaves, bls.....lb. .60 - .65
Spikenard root, bls.....lb. .34 - .38
Spruce extract, liq., reg., tanks, works lb. .01¾- —
powd., super, bgs., c.l., works. lb. .05½- —
l.c.l., same basis.....lb. .05¾- —
Squaw vine leaves, bls. .....lb. .35 - .40
Squill, red, fortified, powd., bbls. boxes..lb. 1.60 - —
White, bls.....lb. .12 - .14
powd., bbls., bxs.....lb. .16 - .18
St. Ignatius beans, bgs.....lb. No stocks.
St. John's bread, edible, bls. ....lb. .11 - .13
Stainless steel flake, dry, dms., works lb. 1.50 - —
paste dms., works ..... lb. 1.25 - —
Stannous chloride (see Tin chloride stannous)
Star root (see Helonias root)
Stargrass root (see Aletris root).
Starch, corn, pearl, paper bgs., c.l., N. Y...100 lbs. 6.67 - —
l.c.l. .....100 lbs. 6.82 - —
powd., paper bgs., c.l....100 lbs. 6.79 - —
l.c.l. .....100 lbs. 6.94 - —
Prices for corn starch in cotton bags, 25c. per 100 lbs. higher.
Potato, Idaho, bgs., c.l., works..lb. .05½- —
Maine, bgs., c.l., works.....lb. .05¼ Nom.
l.c.l., spot .....lb. .07¾- .08¼
Rice, bgs.....lb. .18 - .22
Wheat, bgs. .....lb. .0660- .0710
Stavesacre seed, bgs.....lb. .60 - .61
Stearin, oleo (see Oleostearin).
Stillingia root, bls. .....lb. .35 - .38
Stoneroot, bls.....lb. .07¼- .08
Storax, USP cs.....lb. 1.50 - 1.60
Stramonium leaves, bgs.....lb. .18 - .20
Streptomycin, hydrochloride and sulphate, bulk, 50 kilos or more..gram. .324 - —
unlabeled, 1-gram, vials, 1 to 500,000 vials..vial. .364 - —
5-gram vials, 1 to 500,000 vials..vial. 1.766 - —
Strontium bromide, NF, cns..dms. lb. .77 - —
Carbonate, 92%, dms.....lb. .20½- .24½
Chloride, tech., bbls.....lb. .22 - .24

DRYMET*

THE ECONOMICAL DETERGENT SILICATE

Cowles DRYMET, anhydrous sodium metasilicate, is the most highly concentrated form of sodium metasilicate available. It is more economical to use, on the basis of both Na_2O (alkalinity) and SiO_2 (silicate) than any other type of hydrated or anhydrous detergent silicate, either compounded or by itself. DRYMET contains no water of crystallization.

DRYSEQ*

THE ALL-PURPOSE DETERGENT SILICATE

Cowles DRYSEQ, anhydrous sodium sesquisilicate, is a medium pH alkaline cleaner which will do fast, dependable work at a low cost to the user. It is a white, free-flowing powder, quickly and completely soluble in hot or cold water—containing 56.75% Na_2O—making it an economical base material for compounding.

DRYORTH*

THE HEAVY-DUTY DETERGENT SILICATE

Cowles DRYORTH, anhydrous sodium orthosilicate, is a powerful, speedy, heavy-duty cleaner with valuable penetrating and wetting-out properties, reinforced dirt-removing power and unusual emulsifying action. It is an anhydrous, free-flowing powdered silicate containing not less than 60% Na_2O, which may also be used as an economical constituent of high pH cleaning compounds.

CRYSTAMET*

THE MEDIUM pH DETERGENT SILICATE

Cowles CRYSTAMET is a pure, perfectly white, free-flowing granular pentahydrate sodium metasilicate with the normal 42% water of crystallization. Suggested for compounding when it is desirable to lower the concentration of a finished product. Readily soluble—chemically stable—easy to handle. Can be used on medium pH jobs.

Cowles Chemicals

We'll be glad to send you our DRYMET File Folder containing complete technical information and suggested formulations.

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COWLES CHEMICAL COMPANY

HEAVY CHEMICAL DEPARTMENT • CLEVELAND 3, OHIO

Strontium chromate bbls., works lb. .46 - —
Iodide, jars, 25 lbs lb. 3.37 - —
Nitrate, bbls., c.l., works lb. .1025- —
l.c.l., works lb. .1145- —
Oxalate, bbls. works lb. .42 - .44
Salicylate, NF, dms. lb. 1.65 - —
Sulphate air-floated, 90% 325 mesh bgs., works ton.56.70 -66.15
Strontium-calcium sulphide phosphorescent dms., works lb. 2.80 - 2.85
Strophanthin, NF, bots. oz.39.00 - —
Strophanthus seed, Kombe, bgs., lb. 3.00 - 3.25
Strychnine, NF, powd., cans., 100 ozs. oz. 1.25 - —
Phosphate NF, 100 ozs. oz. 1.14 - —
Sulphate, USP, powd., cans. 100 ozs. oz. 1.00 - —
Styrene monomer, dms., cns., works lb. .19¼- —
l.c.l., works lb. .20¼- —
tanks, works lb. .18 - —
Styrolyl acetate, bots. lb. 2.50 - 3.10
Sucrose octa-acetate, denat., bbls. l.c.l., works lb. .65 - —
tech. bbls., l.c.l., works lb. .60 - —
Sugar coloring (see Caramel coloring)
Sugar of milk (see Milk sugar)
Sulphabenzamide dms. lb. 4.25 - 4.60
Sulphabenzamide sodium, dms. lb. 4.25 - 4.60
Sulphadiazin, USP, crystals, free flowing, dms. lb.11.25 -11.75
microcrystals, 99%, not over 10 microns, dms. lb.10.60 -11.10
powder lb.10.25 -10.75
Sulphadiazin sodium, USP, granules, free flowing, dms. lb.12.25 -12.75
powder lb.11.25 -11.75
Sulphaguanidin, USP, dms. lb. 4.50 - 5.00
Sulphamerazin, USP, micro crystals, 99.9%, not over 10 microns, dms. lb.10.65 -11.15
powder, dms. lb.10.25 -10.75
Sulphamerazin-sodium, USP, dms., lb.11.25 -11.75
Sulphamethazine, micro crystals, dms lb. 8.90 - 9.40
powder, dms lb. 8.50 - 9.00
Sulphanilamide, USP, crystals, free flowing, dms lb. 1.40 - 1.60
microcrystals, dms lb. 1.70 - 1.90
powder, dms. lb. 1.30 - 1.50
Sulphanilamidoquinoxaline, veterinary, dms. lb. 8.00 - 8.25
Sulphapyridin NF powd. bots. tins, lb. 7.00 - 7.50
Sulphapyridin-sodium, powd., bots., dms lb. 7.50 - 8.00
Sulphathiazole, USP crystals, free flowing, dms lb. 4.00 - 4.50
micro crystals, 99.9%, not over 10 microns, dms lb. 3.85 - 4.15
powder, dms. lb. 3.50 - 3.80
Sulphathiazole-sodium, USP, dms., lb. 3.50 - 3.80
Sulphur, commercial, flour, bgs., mines 100 lbs. 2.05 - —
bbls., mines 100 lbs. 2.20 - —
lump, bgs., mines 100 lbs. 1.70 - —
bbls., mines 100 lbs. 2.00 - —
crude, bulk, c.l., mines, contract, long ton.21.00 -22.00
f.o.b. vessels, Gulf ports, export long ton.25.00 -27.50
domestic and Canada long ton.22.50 -23.50
refined, flowers, USP, bgs., mines 100 lbs. 3.60 - —
bbls. 100 lbs. 4.75 - —
flour, light, bgs., mines 100 lbs. 3.35 - —
bbls., mines 100 lbs. 4.25 - —
lump, bgs. mines 100 lbs. 2.90 - —
rolls, bgs., mines 100 lbs. 3.35 - —
bbls., mines 100 lbs. 3.80 - —
salt block, bgs., mines 100 lbs. 3.10 - —
virgin block, bbls., mines 100 lbs. 3.05 - —
rubbermakers, com'l, regular, bgs., mines 100 lbs. 2.25 - —
bbls., mines 100 lbs. 2.40 - —
98-100% passing through 325 mesh, bgs., mines 100 lbs. 2.25 - —
bbls., mines 100 lbs. 3.40 - —
refined, bgs., mines 100 lbs. 2.85 - —
bbls., mines 100 lbs. 2.95 - —
treated, 2.5% mineral oil, bgs., mines 100 lbs. 2.45 - —
bbls., mines 100 lbs. 3.80 - —
treated, 10% pine tar treated, bgs., mines 100 lbs. 3.65 - —
washed, NF, bot lb. .31 - —
Sulphur dichloride, dms., c.l., works, frt. equald. lb. .03½- —
l.c.l., same basis lb. .04¼- —
tankcars, same basis lb. .03¼- —
Dioxide, liquid, com'l, cyls., works lb. .09 - —
multi-unit cars, works lb. .0535- —
tanks, works lb. .045 - —
refrigeration, cyls., l.c.l., dlvd lb. .20 - .36
Monochloride, 55-gal. dms., c.l., frt. equald. lb. .03½- —
l.c.l., same basis lb. .04¼- —
tanks, same basis lb. .03¼- —
Sumac leaf, 28%, bgs., ex-dock short ton.115.00 - —
ground same basis ton.110.00 - —
Superphosphate run-of-pile, under 22% a.p.a. pulv., bulk, Balto unit-ton. .81 - —
Carteret, N. J. unit-ton. .76 - —
triple, 48% or more, a.p.a. pulv., bulk, East Tampa Fla.unit ton. .87 - —
Prices on 48% triple superphosphate in other states and D. C. are per unit-ton plus frt. charges from E. Tampa, Fla. Superphosphate, gran., 2c. per unit-ton higher than pulverized.
Sweet basil, California, bgs. lb. 1.10 - 1.15
imported, bgs. lb. .90 - 1.00

T

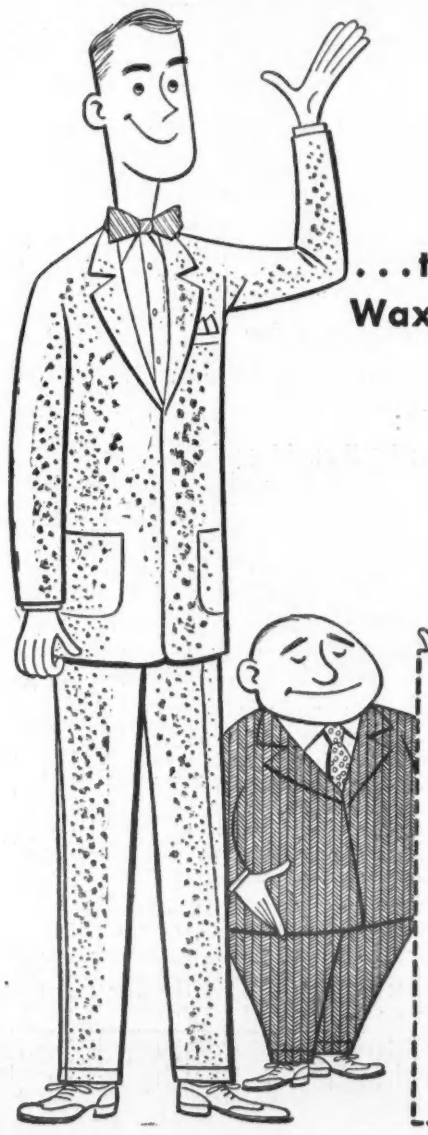
2,4,5-T, dms., c.l., works lb. 1.60 - —
l.c.l., works lb. 1.65 - —
Isopropyl ester, dms., c.l., works. lb. 1.70 - —
l.c.l., works lb. 1.75 - —
Talc., dom., ordinary, grd., Calif., bgs., c.l., works ton.25.00 -35.00
Vermont, bgs., c.l., works ton.14.00 - —
l.c.l., works ton.17.50 - —
fibrous, New York, off-color, grd., bgs., c.l., works ton.25.00 - —
l.c.l. ton.28.00 -29.00
98.5-99.5%, 325 mesh, bgs., c.l., works ton.27.00 - —
l.c.l., works ton.30.00 -32.00
imp., Canada grd., bgs., c.l. mines ton.12.50 -35.00
Tallow, edible, tanks, works lb. *.16¼- —
inedible, extra, works lb. *.14¾- —
fancy, works lb. *.15 - —
special, works lb. .13¾- —
No. 1, works lb. .12½- —
No. 2, works lb. .11¾- —
No. 3, works lb. .12⅜- —
sulphonated, 25%, dms. lb. .10 - —
50%, dms. lb. .14 - —

* indicates OPS ceilings.

Tamarind, W.I., bbls. lb. .10 - .15
Tankage, animal, feeding, 9-11% ammon., bulk unit-ton. 7.25 - —
Chicago unit-ton. 7.50 - —
Tansy leaves, bls lb. .25 - .30
Tapioca flour, high grade, bgs. lb. .08 - .08¼
medium grades, bgs. lb. .07½- .08
low grades, bgs. lb. .06¾- .07
Java, bgs. lb. .07 - .07½
Tar acid oil, 15-18%, dms., c.l., frt. equald. gal. .50 - —
l.c.l., same basis gal. .52 - —
tanks, same basis gal. .40 - —
25-28%, dms., c.l., same basis, gal. .56½- —
l.c.l., same basis gal. .58½- —
tanks, same basis gal. .46½- —
50-53%, dms., c.l., same basis, gal. .72½- —
l.c.l., same basis gal. .74½- —
tanks, same basis gal. .62½- —
Tar, coal (see Coaltar).
Pine (see Pinetar).
Tarragon herb, bgs. lb. .45 - .50
Leaves, bgs. lb. .65 - .70
Tartar emetic, tech., gran. or powd., bbls., kgs lb. .56 - —
dms. lb. .57 - .58
USP, powd., bbls., dms., kgs. lb. .61 - .62
Terpin hydrate, com'l, bbls., c.l lb. .24½- —
l.c.l. lb. .25 - .25½
NF, cryst., bbls., dms. lb. .75 - —
powd., bbls., dms lb. .80 - —
Terpineol, alpha (see A).
commercial, dms., c.l., South lb. .13½- —
l.c.l., South lb. .14 - —
extra, dms. lb. .50 - .61
prime, dms. lb. .43 - .55
Terpinglycol ether, dms., c.l., works. lb. .23½- —
l.c.l., works lb. .25½- —
tanks, works lb. .22 - —
Terpinyl acetate, extra, cns., dms. lb. .66 - 1.10
prime, dms. lb. .55 - .65
Propionate, dms. lb. 1.75 - 2.00
Terra alba (see Gypsum).
Testosterone, USP, 100 gms., bots. gm. 3.00 - 3.25
Propionate, USP, 100 gms., bots., gm. 3.00 - 3.25
Tetrachloroethane, dms., works lb. .08 - .08¼
Tetrachloroethylene, tech. (see Perchloroethylene).
USP, 55-gal. dms., works lb. .20½- .21½
smaller dms., works lb. .23½- .25
Tetraethyl orthosilicate, dms., works. lb. .72 - —
Pyrophosphate, 40% ens., dms., works lb. .80 - —
Tetraethylenepentamine, dms., c.l., works lb. .56½ - —
l.c.l., works lb. .57 - —
tanks lb. .55 - —
Tetrapotassium phosphate (see Potassium phosphate)
Tetrasodium pyrophosphate (see Sodium pyrophosphate).
Thallium metal, dlvd lb.12.50 -15.00
sulphate, 99% bots. dlvd lb 10.50 -13.00
Theobromine, fib dms lb. 5.75 - 6.00
Salicylate, fib. dms lb. 5.17 - —
with sodium acetate, USP, dms lb. 4.80 - —
Sodio-salicylate, fib. dms lb. 4.05 - 4.10
Theophylline, anhyd. or USP, 100-lb. dms lb. 5.75 - 6.00
Thiamine hydrochloride, USP, bots., 100 grams kilo.160.00 - —
Mononitrate, bots, 100 grams kilo.160.00 - —
Thiocarbanilide, dms. lb. .44 - .51
Thiodiphenylamine (see Phenothiazine).
Thiouracil, dms., works lb. 5.50 - 5.60
Thiourea, tech., dms., c.l., works lb. .44 - —
l.c.l., works lb. .46 - —
Thorium nitrate, cs., works lb. 3.60 - —
Threonine dextro laevo, bots 100 grams.100.00 - —
Thyme, French, bgs. lb. .20 - .21
Spanish, bls lb. .08 - .08¼
Thymol, fib. dms. lb. 3.75 - 5.52
Iodide, NF, dms lb. 9.30 - 9.42
Timbo root (see Cube root).
Tin chloride stannous, anhyd., dms., works lb. 1.09 - 1.10
Crystals, hydrous, bgs., bbls., works lb. .89½- —
Metal lb. 1.36 - —
Oxide, bbls lb. 1.39 - —
Sulphate, stannous, bbls lb. 1.18 - 1.20
Tetrachloride, anhyd., dms., works. lb. .79 - .80
Titanium dioxide, anatase ceramic, bgs., c.l., dlvd lb. .21 - .21½
l.c.l. dlvd lb. .22 - .22½
chalk resistant, bgs., c.l., dlvd. lb. .21 - .21½
l.c.l., dlvd lb. .22 - .22½
regular, bgs., c.l., dlvd lb. .21 - .21½
l.c.l., dlvd lb. .22 - .22½
rutile, natural, granular, bgs., c.l., works lb. .04¼- —
5-ton lots works lb. .04½- .05¼
milled, bgs., c.l., works lb. .04¼- —
5-ton lots, works lb. .04¾- .05¼
non-chalking, bgs., c.l., dlvd. E lb. .23 - .23¼
l.c.l., dlvd E lb. .24 - .24½
Hydride, cns. works lb 4.00 8.00
Pigment, calcium-rutile, base, bgs., c.l., dlvd lb. .08 - .08½
l.c.l. dlvd lb. .08½- .09
Titanium dioxide and pigment in bbls. ¼c. higher; Pac coast c.l. dlvd., l.c.l. ex whse. ⅛c higher
Tetrachloride tech. dms., works. lb. .45½- —
smaller pkgs., works lb. .48 - —
Tolidin base distilled kgs. lb 1.30 - —
Tolu balsam, cns., dms. lb. 5.50 - 6.50
Toluene (see Toluol).

If you use WAX in any of these products or processes . . .

1 Auto Polishes
2 Bottle Cap Linings
3 Candles
4 Carbon Paper
5 Citrus Fruit Dips
6 Coils and Condensors
7 Crayons
8 Fabric Treating
9 Flax Packings
10 Food Packaging
11 Hard Surface Floor Covering
12 Insulating Materials
13 Leather Belting
14 Leather Finishes and Dressings
15 Leather Packing
16 Lubricant for Ironers and Presses
17 Lubricant for Thread and Cord
18 Matches
19 Mold Lubrication
20 Paper Coatings
21 Paper Impregnating
22 Paper Sizings
23 Phonograph Records
24 Polishes
25 Printing Inks
26 Protective Coatings
27 Rust Preventives
28 Self-Polishing Floor Wax
29 Sizing Materials
30 Soaps
31 Starches
32 Textile Finishes
33 Transformers
34 Water-Wax Emulsions
35 Wire and Cable Insulation



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Toluol, Coaltar—Warfarin

Toluol, coaltar, industrial and nitration, tanks, works:—
- Bethlehem, Pa ..... gal. .32 • —
- Birmingham dist ..... gal. .30 • —
- Chicago dist ..... gal. .33 • —
- Cleveland dist ..... gal. .32¼ • —
- Geneva, Utah ..... gal. .26 • —
- Hamilton, Ohio ..... gal. .32 • —
- Johnstown, Pa ..... gal. .30 • —
- Lackawanna, N Y ... gal. .33 • —
- Lone Star, Tex ..... gal. .35 • —
- Lorain, Ohio ..... gal. .31 • —
- Minequa, Colo ..... gal. .33 • —
- Philadelphia, Pa ..... gal. .33½ • —
- Pittsburgh dist ..... gal. .30 • —
- Sparrow's Point, Md ... gal. .32 • —
- Syracuse, N Y ..... gal. .30½ • —
- Terre Haute ind .... gal. .33½ • —
- Wyandotte, Mich ..... gal. .33 • —
- Youngstown, Ohio .... gal. .30½ • —

Petroleum, industrial, 2°, tanks, works:—
- Albany, N. Y ..... gal. .33 • —
- Bayonne, N. J ..... gal. .33 • —
- Baytown, Tex ..... gal. .31 • —
- Chicago, Ill ..... gal. .33 • —
- Detroit, Mich ..... gal. .33 • —
- Philadelphia, Pa ..... gal. .33 • —
- Providence, R. I ..... gal. .33 • —
- Wood River, Ill ..... gal. .33 • —

Tolylene di-isocyanate, dms., works ..... lb. 4.00 • 4.50

Tonga, 50% bark and vine, bls. ..... lb 80 • .85

Tonka beans, Angostura, cs ..... lb 1.75 • 1.80

Brazilian, cs ..... lb. 1.00 • 1.15

Totaquine, 100-oz. lots, cns ..... oz. .42 • —

Toxaphene, dms., c.l., works ..... lb. .23 • —
- truckloads, works ..... lb. .23 • —
- ton to truckloads, works ..... lb. .26 • —
- less than ton lots, works ..... lb. .29 • —

Triacetin, dms., dlvd ..... lb. .51½ • .52½

Tributyl citrate, tech., dms ..... lb. .41½ • —
- Phosphate, dms., c.l., frt. alld ..... lb. .63½ • —
- l.c.l., same basis ..... lb. .64½ • —
- smaller containers ..... lb. .68½ • —

Tributylamine, dms., c.l., works, frt., alld. E of Miss. ..... lb. .71¾ • —
- l.c.l., same basis ..... lb. .72⅝ • —
- tanks, same basis ..... lb. .70 • —

Trichlorobenzene, dms., c.l., works, frt. alld ..... lb. .12½ • —
- l.c.l., frt. alld ..... lb. .13½ • —
- tanks, frt. alld ..... lb. .11 • —
- Prices in the West 1¾c. higher.

Trichloroethane, dms., c.l., works ..... lb. .13 • —
- l.c.l., works ..... lb. .13½ • —
- tanks, works ..... lb. .11½ • —

Trichloroethylene, dms., c.l., or truckloads, works, frt. alld. ..... lb. .11 • —
- dlvd. E ..... lb. .12½ • —
- l.c.l., works, frt. alld ..... lb. .11½ • —
- dlvd. E ..... lb. .13½ • —
- tanks, works, frt. alld ..... lb. .10 • —
- dlvd. E ..... lb. .11 • —

Tricholine citrate, 65% solut., ret., chys., works, frt adjusted ..... lb. 2.10 • 2.15

Tricresyl phosphate, coaltar, dms., c.l., dlvd ..... lb. .37 • .37¼
- l.c.l., dlvd ..... lb. .38 • .38¼
- tanks, dlvd ..... lb. .35 • .35¼
- petroleum, dms., c.l., dlvd lb. .37 • .37¼
- l.c.l., dlvd ..... lb. .38 • .38¼
- tanks, dlvd ..... lb. .35 • .35¼

Triethanolamine dms. c.l., frt. alld. E ..... lb. .26¼ • —
- l.c.l., same basis ..... lb. .27¼ • —
- tanks, same basis ..... lb. .24½ • —

Triethylamine, dms., c.l., works, frt. alld. E ..... lb. .43 • —
- l.c.l., same basis ..... lb. .44 • —
- tanks, same basis ..... lb. .41¼ • —

Triethyl citrate, tech., dms ..... lb. .38½ • —
- Phosphate, dms., works, c.l ..... lb. .38 • —
- l.c.l. same basis ..... lb. .39 • —
- tanks, same basis ..... lb. .37 • —

Triethylenegiycol, dms., c.l., frt. alld., E ..... lb. .23¼ • —
- l.c.l., same basis ..... lb. .24¼ • —
- tanks, same basis ..... lb. .21½ • —

Triethylenetetramine, dms., c.l., works ..... lb. .47½ • —
- l.c.l. works ..... lb. .48 • —
- tanks ..... lb. .46 • —

Trimethylamine, 25%-40%, dms., c.l., works, frt. equald, 100% basis, lb. .38 • —
- l.c.l., works, frt. equald, 100% basis ..... lb. .38½ • —
- tanks, works, frt. equald., 100% basis ..... lb. .33 • —

Tripentaerythritol, bgs., c.l., works, lb. .36½ • —
- l.c.l., same basis ..... lb. .39½ • —

Triphenyl phosphate, obls., c.l., frt. equald. ..... lb. .35 • —
- l.c.l., frt. equald ..... lb. .36 • —

Triphenylguanidine, obls., works ..... lb. .90 • —

Tripoli air-floated, bgs., c.l., works, lb. .0175 • —
- double-grd. bgs. c.l. works ..... lb. .016 • —
- single-grd., bgs., c.l., works ..... lb. .015 • —

Tripropylenegiycol, dms., c.l., frt. alld. ..... lb. .26¼ • —
- l.c.l., frt. alld ..... lb. .27¼ • —
- tanks, frt. alld ..... lb. .24½ • —

Trisodium fluoroacetate (see Sodium fluoroacetate trihasic).

Trisodium phosphate (see Sodium phosphate trihasic).

Trypsin, pharmaceutical, 1:80 dms., works ..... lb. 5.00 • —

Tryptophane, dextro-laevo, fib. ctns. works ..... kilo. 207.00 • 242.00

Tuba root (see Cube root).

Tungsten metal powd., 98.8%, dms. works ..... lb. 7.75 • —

Turmeric root, Alleppey, bgs ..... lb. .26½ • .27
- Haitian, bgs ..... lb. .09¼ • .10¼
- Jamaica, bgs ..... lb. .09¼ • .10¼
- Madras, bgs ..... lb. .14½ • .15

Turpentine, gum (see Naval Stores).

Protective Coatings market).

Wood, dest.-dist., dms., extra, c.l., works, South ..... gal. .59 • —
- l.c.l., same basis ..... gal. .60 • —
- l.c.l., whse, N.Y.C ..... gal. .70 • —

steam-dist., dms., extra, ret. c.l., works ..... gal. .80 • —
- l.c.l., ex whse., NYC ..... gal. .98 • —
- tanks, works ..... gal. .70 • —

Tyrothricin, bots. ..... gram. 1.00 • 1.10

U

Urethane, USP, dms. ..... lb. 1.50 • —

Unicorn root, false (see Helonias root).

True (see Aletris root).

Uranium oxide, black, bgs ..... lb 2.55 • —

yellow, bgs. ..... lb 1.65 • —

Urea, dom., 46% N bgs., c.l., wks. ..... lb. .05½ • —
- l.c.l., works ..... lb. .06 • —
- 44% N, bgs., c.l., 30 tons, frt. alld. Kan., Neb., N. Dak., Okla., S. Dak., Tex. and east ..... ton. 142.00 • —
- l.c.l., dlvd. ..... ton. 146.00 • —

Urea-ammonia liquor, A and B grades, N basis, tankcars Belle, W. Va ..... ton. 120.00 • —
- C and D grades, tankcars, same basis ..... ton. 118.50 • —
- 37 grade, tankcars, same basis. ..... ton. 147.50 • —

Uva ursi leaves, bls. ..... lb. .08 • .10

V

Valerian root, Belgian, NF, bls ..... lb. .38 • .45

Valine, dextro-laevo, dms. works ..... lb. 21.00 • 27.50

Valonia beards, 40-42% tannin, bgs., ex dock ..... ton. 92.00 • 93.00

Cups, 28-30%, tannin bgs., ex dock ..... ton. 68.00 • 70.00

Extract, powd. bgs. ex dock, duty extra ..... lb. .10½ • —

Vanadium pentoxide CP bgs., cns., works ..... lb. 1.28 • —
- tech. dms., works ..... lb 1.34 • —

Vanilla, beans, Bourbon, tins ..... lb. 3.25 • 3.50
- Mexican cuts, tins ..... lb. 5.25 • 5.50
- whole, tins ..... lb. 6.00 • 6.25

Tahiti, cs. ..... lb 2.75 • 3.25

Vanillin, ex eugenol, tins, 25 lbs ..... lb. 5.50 • 6.50
- smaller lots ..... lb. 5.55 • 6.65

ex guaicol, tins, 25 lbs ..... lb. 3.00 • —
- smaller lots ..... lb. 3.05 • 3.15

ex lignin, tins, 25-lb. lots ..... lb. 3.00 • —
- smaller lots, tins ..... lb. 3.05 • 3.15

Vinyl acetate, 55-gal. dms., c.l., works ..... lb. .19 • —
- l.c.l., works ..... lb. .19½ • —
- tanks, works ..... lb. .18 • —

Butylether, normal, tech., dms., c.l., works lb. .28 • —
- l.c.l., works ..... lb. .30 • —
- tanks, works ..... lb. .27 • —

Ether (see Ether, divinyl).

Ethylether, tech., dms., c.l., works lb. .28 • —
- l.c.l., works ..... lb. .30 • —
- tanks, works ..... lb. .27 • —

Isobutylether, tech., dms., c.l., works lb. .28 • —
- l.c.l., works ..... lb. .30 • —
- tanks, works ..... lb. .27 • —

Vinyl methylether, cyls., works ..... lb. .30 • —
- tanks, works ..... lb. .27 • —

Cylinders are sold outright, or if shipped against deposit, a free period of 60 days is allowed; and if empties are returned prepaid and in good condition within that period, full refund is made.

Trichloride (see Trichloroethane).

Vinylpyridin, ret. dms., works ..... lb. 1.65 • —

Viosterol, in alcohol, 1,000,000 D units per gm., bots., lots of 10 billion USP units .. 1,000,000 units. .025 • —
- lots of 1 billion USP units, 1,000,000 units. .03 • —
- lots of less than 1 billion USP units 1,000,000 units. .035 • —

in natural vegetable oil, 400,000 or 1,000,000 D units per gm. bots., lots of 100 billion USP units ..... 1,000,000 units. .02 • —
- lots of 1 billion USP units. 1,000,000 units. .025 • —
- lots of less than 1 billion USP units. 1,000,000 units. .03 • —

Vitamin A, natural, acetate, 200,000 to 400,000 A units per gm., bots., cns., dms., lots of 500 million units or more .. 1,000,000 units. .17 • —
- lots of less than 500 million units 1,000,000 units .21 • —
- over 400,000 A units per gm., bots., cns., dms., lots of 500 million units or more, 1,000,000 units. .18 • —
- less than 500 million units. 1,000,000 units. .22 • —

Prices above are based on the USP XIV method of conversion, Morton-Stubbs Corrected E x 1900.

A, natural, concentrates (see Oil, fishliver).

A, synthetic, acetate, crystalline, beads, 500,000 A units per gm. ..... 1,000,000 units. .20 • —
- liquid, 1,000,000 A units per gm. 1,000,000 units. .18 • —
- palmitate, liquid, not less than 1,600,000 A units per gm. 1,000,000 units. .18 • —

B (see Thiamine hydrochloride).

B_2 (see Riboflavin).

B complex, natural (see Rice bran concentrate and Yeast).

B_6 (see Pyridoxin hydrochloride).

B_{12}, gm. or 5 gm. vials ..... gram. 450.00 • —

C (see Acid, ascorbic).

D (see Oils, codliver and fishliver, Calciferol and Viosterol).

D_2 (see Calciferol).

Vitamin E (see Alphatocopherol and Oil, wheat-germ).

G (see Riboflavin).

P-P (see Acid, nicotinic, and Nicotinamide).

H (see Biotin).

Violet, methyl toner (see Blue, methylviolet toner).

V.M.P. naphtha (see Petroleum naphtha).

W

Wahoo root bark, bls ..... lb. 1.75 • 1.80

Tree bark, bls ..... lb. .75 • .90

Warfarin, 0.5%, dms., 50 lbs., f.o.b. N. Y. or Chicago ..... lb. 1.95 • —
- 25-49 lbs., same basis ..... lb. 2.05 • —
- 5-24 lbs., cns., same basis ..... lb. 2.15 • —

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Anti-slip Characteristics
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Water Resistance

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LONG ISLAND CITY, NEW YORK

Refineries: Chanute, Kansas • Kilgore, Texas

*Trade Mark Reg.

Wattle bark, fair average, or E. Afr., bgs., ex dock ..ton.88.00 -101.50
merchantable, bgs., ex dock.ton.94.00 -96.50
extract, liquid, 33⅓% tannin, bbls., works ..lb. .10½ - .11
solid, E. Africa, 61% tannin, bgs., ex dock, duty extra, lb. .10¾ - —
S. Africa, 62% tannin ex dock, duty extra ..lb. .10¾ - —
Wax amorphous (see Wax micro crystalline)
Bayberry, bgs., spot ..... lb. .43 - .46
Bees, bleached, USP, bricks, cs. lb. .81 - .82
slab, bgs ..... lb. .80 - .81
crude, African, bgs ..... lb. .68 - .70
Brazilian, bgs ..... lb. .72 Nom.
Central American, bgs ..... lb. .69 - .70
refined, yellow, bricks, cs ..... lb. .74 - .75
slabs, bgs ..... lb. .73 - .74
Candelilla, crude, bgs ..... lb. .75 - .77
refined, ogs ..... lb. .78 - .80
Powdered candelilla, 20 mesh, 5c. per lb. extra; 80 mesh, 5½c.; 100-200 mesh, 6c.
Carnauba, chalky, bgs., ton lots, lb. 1.17 - 1.18
North Country, No. 2, ton lots, lb. 1.25 Nom.
No. 3, crude, bgs., ton lots, lb. 1.20 - 1.22
refined, bgs., ton lots ..lb. 1.25 - 1.27
yellow, No. 1, bgs., ton lots ..lb. 1.30 - 1.32
No. 2 ..... lb. 1.28 - 1.30
Powdered carnauba price differentials same as powdered candelilla.
Japan, bgs ..... lb. .50 - .52
Microcrystalline, 170°-175° m.p., ASTM amber ctns., 20,000 lbs. group 3, works lb. .14 - —
Less than 20,000 lbs. same basis lb. .15 - —
black, ctns., 20,000 lbs., same basis lb. .12½ - —
Less than 20,000 lbs. same basis lb. .13½ - —
white, ctns., 20,000 lbs., same basis lb. .25 - —
Less than 20,000 lbs. same basis lb. .26 - —
180°-185° m.p., ASTM, amber, ctns., 20,000 lbs., same basis lb. .16 - —
Less than 20,000 lbs. same basis lb. .17 - —
black, ctns., 20,000 lbs., same basis lb. .14½ - —
less than 20,000 lbs lb. .15½ - —
white, ctns., 20,000 lbs., same basis lb. .27 - —
Less than 20,000 lbs. same basis lb. .28 - —
190°-195° m.p., ASTM, amber, basis lb. .20½ - —
Less than 20,000 lbs., same basis lb. .21½ - —
black, ctns., 20,000 lbs., same basis lb. .19 - —
Less than 20,000 lbs. same basis lb. .20 - —
white, ctns., 20,000 lbs., same basis lb. .33½ - —
Less than 20,000 lbs. same basis lb. .34½ - —
Montan, dom., black, raw, bgs ..lb. .25 - .25½
refined, bgs ..... lb. .31 - .32
imported, Bohemian, bgs ..... lb. .15 - .16
German, bgs ..... lb. .15 - .16
refined, light, bgs ..... lb. .55 - —
Ouricury, ref., bgs ..... lb. .85 - .90
Paraffin (see P.)
Spermaceti, blocks, cs ..... lb. .32 - .35
cakes, cs. ..... lb. .33 - .36
Sugar, cane, refined, dom., slabs, works lb. .85 - —
imp., bgs., N. Y. ..... lb. .53 - —
White lead (see Lead, white)
White pine bark, rossed, bls .... lb. .18 - .20
White precipitate, USP, powd., dms., lb. 5.00 - —
Whiting, limestone, dry grd., 99.5%, 325 mesh bgs. c.l. works, ton 6.00 -10.00
smaller lots works ton 6.50 -15.00
wet-grd., bgs., c.l., works ton 16.00 -30.00
smaller lots works .. ton 21.00 -35.00
Paris white, bgs., c.l. ..... ton.24.00 -31.00
l.c.l. ..... whse ton.25.00 -40.00
Precipitated, bgs., c.l. ..... ton.18.00 -20.00
l.c.l. ..... ton.25.00 -35.00
Wild cherry bark, thick, natural, bls lb. .06 - .07
thin, natural, bls ..... lb. .16 - .18
rossed, bls. ..... lb. .19 - .22
Wild indigo root, bls. ..... lb .30 - .31
Wild yam root bls ..... lb 16 - .17
Witch hazel leaves, bls. ..... lb. .23 - .25
Wollastonite, 16 mesh, bgs., f.o.b. works ton.14.00 - —
325 mesh, same basis ..... ton.22.00 - —
Woodflour 40 mesh bulk, c.l., works, East ton.32.00 - —
l.c.l., same basis ..... ton.40.00 - —
60 mesh, bulk, c.l. same basis ton.37.00 - —
l.c.l., same basis ton.45.00 - —
80-100 mesh, bulk, c.l., same basis, ton.45.00 -50.00
l.c.l., same basis ..... ton.60.00 -62.00
Woodflour in bgs extra, returnable.
Woolfat, crude (see Degras)
USP (see Lanolin)
Wormseed, American, bgs ..... lb. .14 - .16
Levant, bgs ..... lb 4.25 - 4.50
Wormwood leaves, bls ..... lb .35 - .45

X

Xanthorrhiza root, bls ..... lb. .28 - .30
Xylene (see Xylol)
Xylenol, cryst., 56°-58°C. m.p., ret. dms., c.l. works, frt equald., lb. .193 - —
l.c.l., same basis ..... lb. .198 - —
tanks, same basis ..... lb. .18 - —
45°-47°C, dms., c.l., frt. equald. lb. .153 - —
l.c.l., same basis ..... lb. .156 - —
tanks, same basis ..... lb. .14 - —
fractions, over 7°C., b.p., except meta, dms., c.l., same basis, gal. 1.31 - —
l.c.l., same basis ..... gal. 1.34 - —
tanks, same basis ..... gal. 1.20 - —
Meta fraction, over 7°C., dms., c.l., same basis ..gal. 1.46 - —
l.c.l., same basis ..... gal. 1.49 - —
tanks, same basis ..... gal. 1.35 - —
Xylidins, mixed, dms ..... lb. .39 - .50
Xylol, coaltar, industrial, tanks, works—
Bethlehem, Pa ..... gal. .33 - —
Birmingham district ..gal. .30½ - —
Chicago district ..... gal. .33½ - —
Cleveland district ..... gal. .33 - —
Geneva, Utah ..... gal. .35 - —
Hamilton, Ohio ..... gal. .32 - —
Johnstown, Pa ..... gal. .31 - —
Lackawanna, N. Y. ..... gal. .33 - —
Lone Star, Tex ..... gal. .35 - —
Lorain, Ohio ..... gal. .31 - —
Minequa, Colo ..... gal. .34 - —
Philadelphia, Pa ..... gal. .33 - —
Pittsburgh district ..... gal. .30 - .33
Sparrows Point, Md ..gal. .33 - —
Syracuse, N. Y. ..... gal. .30½ - —
Terre Haute, Ind ..... gal. .35 - —
Wyandotte Mich ..... gal. .33 - —
Youngtown, Ohio ..... gal. .30½ - —

Xylol, petroleum, indust., 100, tanks, works:—
Albany, N. Y. ..... gal. .33 - —
Bayonne, N. J. ..... gal. .33 - —
Baytown, Tex. ..... gal. .31 - —
Chicago, Ill ..... gal. .33 - —
Detroit, Mich ..... gal. .33 - —
Philadelphia Pa ..... gal. .33 - —
Providence, R I ..... gal. .33 - —
Wood River, Ill ..... gal. .33 - —

Y

Yara yara, ens ..... lb. 2.25 - 2.65
Yeast, brewer's dry, USP, 50 Int'l B units per gram, 100-lb. dms lb. .47 - —
90 Int'l B units per gram, 100-lb. dms lb. .52 - —
200 Int'l B units per gram, 100-lb. dms lb. .56 - —
300 Int'l B units per gram, 100-lb. dms lb. .60 - —
Yellow barium chromate, CP, bgs., l.c.l., dlvd. N. of Tenn. and N. C. E of Miss., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul lb. .35 - —
Barium chromate yellow price differentia in other States and city zones are those for chrome yellow below.
Benzidin, AAA, bbls., dlvd ..... lb. 2.05 - 2.06
AAOT, bbls ..... lb. 2.06 - 2.15
Cadmium, CP, all shades, bbls., frt. alld. E. of Rockies lb. 3.20 - —
Lithopone all shades, bbls, frt. alld. E of Rockies lb. 1.32 - —
Cadmium yellows Los Angeles and San Francisco ex whse l.c per lb higher
Yellow, chrome, CP, bbls., dlvd. N. Tenn. and N. C. E. of Miss., including Davenport, Minneapolis, Rock Island lb. .32 - —
Dlvd Ala., Fla. Ga., La., Shreveport 1¼c. higher; Miss., N C., S. C., Tenn., Dallas, Tex., 1¼c higher; Ft. Worth, Tex. 1½c higher; El Paso, Tex., 2c higher; Cedar Rapids Des Moines Kansas City Lincoln Omaha St Joseph 1.6c higher dlvd. Pac. Coast; for Denver Pueblo, Salt Lake City Wichita prices are equalized with Chicago
Hansa, 10G, bbls., same basis as chrome lb. 2.05 - 2.13
G pigments, bbls ..... lb. 2.05 - 2.06
Iron oxide, natural, bgs., c.l., works lb. .0141- .0250
l.c.l. works lb. .0166- .0275
French type, bgs., c.l. ..... lb. .04½ - —
l.c.l ..... lb. .04¾ - —
Peruvian type bgs. c.l. lb. .0185- .0210
synth. bgs. c.l. works ... lb. .09½ - —
l.c.l. works. ..... lb. .09¾ - —
Mercury oxide, bbls., 1,000 lbs lb. 4.15 - —
smaller lots ..... lb. 4.17 - —
Ocher American golden, bgs., works lb. .01¼ - .02¾
Zinc, (chromate) bbls. dlvd ..... lb. .27 - —
basic, dlvd ..... lb. .30 - —
Yellow dock root, bls ..... lb. .16 - .25
Yellow xanthorrhiza (see Xanthorrhiza)
Yerba santa leaves, bls ..... lb. .28 - .30
Yohimbine hydrochloride vis .. oz. 4.75 - 5.25

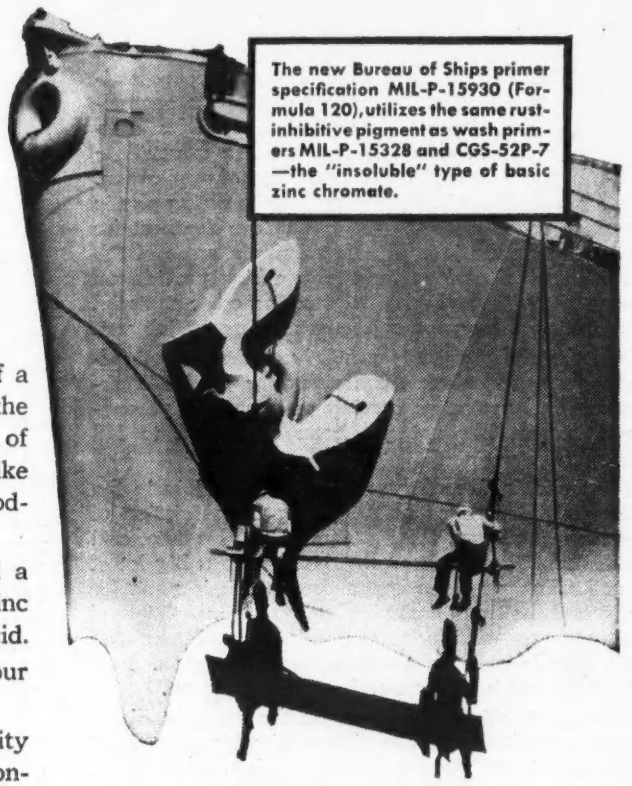
Z

Zein, bgs., 36,000 lbs., works .. lb. .35 - —
1,000 lbs. to 36,000 lbs., works lb. .37 - —
smaller lots, works ..... lb. .40 - —
Zinc acetate, tech, bbls, dms, works, lb. .28 - .30
NF VIII, dms ..... lb. .53 - —
Borate, bgs. c.l., dlvd E ..... lb. 18½ - —
l.c.l. dlvd E ..... lb. 19½ - —
Carbonate purified powd. dms, lb. .26 - —
tech. rubbermakers bgs. works, lb. 10¾ - .11¼
precipitated powd. dms lb. .26 - —
Chloride, tech., fused, dms., c.l., works 100 lbs 8.70 - —
l.c.l., works 100 lbs 9.10 - —
gran., bbls., c.l., works 100 lbs. 9.45 - —
l.c.l., works 100 lbs 9.85 - —
solution 50%, dms, c.l., works 100 lbs 4.75 - —
l.c.l. works ... 100 lbs 5.35 - —
tanks, works ... 100 lbs 4.10 - —
NF, gran, dms ..... lb 42 - —
Chromate (see Yellow zinc).
Cyanide kgs works ..... lb 457 - 477
Dust, bbls., c.l., works ..... lb. .21 - —
l.c.l works ..... lb .22 - —
Fluoride, bbls., works ..... lb. .40 - —
Hydrosulphite, dms, c.l. frt. alld. lb. .20¾ - —
l.c.l. ..... lb. .21¼ - —
Iodide, NF, jars ..... lb 4.92 - —
Laurate, bbls ..... lb 45 - 46
Metal, slabs, E St. Louis ... lb .17½ - —

—Continued on page 45

HORSE HEAD PRODUCTS
PAINT PROGRESS NEWS
A supplement to PAINT PROGRESS—the house organ issued by The New Jersey Zinc Company for over a decade to help the paint industry make better paint and promote paint sales.

New Navy Primer Uses Novel Zinc Pigment


The new Bureau of Ships primer specification MIL-P-15930 (Formula 120), utilizes the same rust-inhibitive pigment as wash primers MIL-P-15328 and CGS-52P-7—the "insoluble" type of basic zinc chromate.

Basic zinc chromate, a unique variation of a well-known product, has been adopted as the rust-inhibitive pigment in the new Bureau of Ships primer specification. That pigment, like the vinyl resin in the same formula, is a product of modern research.

First, our inorganic chemists prepared a wide range of compounds by reacting zinc oxide with increasing amounts of chromic acid.

Then, our X-ray scientists identified four of these as pure crystalline compounds.

Subsequently, studies of water solubility of these four compounds eliminated those containing more than 20% CrO_3 and focused attention on the only one below that point. It is now known as the "insoluble" type of basic zinc chromate, $5ZnO.CrO_3 .4H_2O$.

Although the new Navy primer specifies this "Zinc Tetroxy Chromate"* (ZTO Chromate) in a vinyl vehicle, the low water solubility of this pigment permits the use of a wide variety of vehicles in underwater paints to meet specific service conditions.

Leading manufacturers have been licensed to make ZTO Chromate.

*U.S. Patent 2,251,846

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Volume 159 June 4, 1951 Number 23

Paint Against Corrosion

In deciding to take a closer and bigger part in activities to combat corrosion, the council of the Federation of Paint and Varnish Production Clubs has put its hand to a big and most important job. Corrosion is one of the most costly of the forces of destruction which attack the works of man. Its forms are many. Its processes are various. Its successful combatting is a matter of many things.

The defending of man's works against corrosion is a public service of immeasurable value. It is also an industrial opportunity of practically unlimited returns. But, it is a big job and a hard one. Its opportunities can be seen, but they cannot all readily be grasped. Those who would successfully fight corrosion have much to learn from the study of it.

It was said in the paint council's discussion of an anticorrosion program that the protective coating industry was lagging in active participation in current programs. It must be recognized that protective coatings of the paint type are but one of many anticorrosion agents. Their place in that array cannot easily be determined or even stated.

The majority of anticorrosion agents are protective coatings, but not all of them are of the paint type: metal-platings, plastic coatings, ceramic, or porcelain, enameling each and all have large parts in the field of anticorrosion coatings. Each has a peculiar advantage; each also presents a particular problem of application. With the exception of certain processes involving plastic materials, coatings of the paint type are the best for application on the job. Developments in some of the newer chemical surface treatments which provide an integrated coating of phosphatized or other material are bringing those processes nearer to on-the-job use.

Coatings of the paint type still have the distinct advantage of convenience, especially for use in emergencies—and protective coating or any other preventive treatment has not yet been developed to full permanency.

It is the objective of the paint council to join in the anticorrosion activities of the National Association of Corrosion Engineers, the Structural Steel Institute, and the United States Engineers. That covers a big lot of ground. But, over the entire area there is need for more and better information on the possibilities of paint coatings—and for more and better understanding of the actual needs in the combatting of corrosion. Both sides have much to learn and much more to do.

Big opportunities to learn lie in the program of the Intersociety Corrosion Committee, of which the paint federation is a member, along with the corrosion engineers' organization and other technical groups. The opportunities for doing will shape up as those for learning are made use of. Because of the critical situation in most nonferrous metals used as platings, the paint industry's opportunities for doing are especially big. The tightness of phosphatic chemicals aggravates that condition. Chromium has a handicapping role on both sides; so have zinc and copper.

That is what makes for study. The paint industry is faced with a big opportunity for service of value to the public and to itself. It is a studious industry, in which there has been much progress over recent years. It can be expected to make a full try to do the good for which it is looked to.

World Friendliness

Pending in congress is a measure (H. Con. Res. 57) which sets out to "reaffirm the friendship of the American people for all the peoples of the world, including those of the Soviet union." Other aspects of the current congressional session tend to make one feel that little, if anything, other than lip service can be expected of that measure.

There is, for chief example, the manner in which the representatives of the people of the United States have botched up the manifesting of friendship for the starving people of India. That, of course, along with all other meaningful expressings of friendship, is something which the people should have taken upon themselves. It is not a job for politicians—on either side.

The people of the United States should, months ago, have provided the people of India with the food they need. Some small group contributions were made. A better showing was made with respect of drugs, particularly antibiotics, the manufacturers of which took upon themselves the charitable procedure for which the Indian conditions called.

It must be recognized that getting to the needy people of India is not a simple process. Politicians in that country have the ideas common to the ilk with respect of contacts with other countries. There are, however, in the United States, many individuals and business houses with contacts among the people of India. Surely that would have provided channels through which supplies could reach those who need them.

Some years ago, when Russia had a famine, the supplying of food from the United States was largely a matter of popular participation. Of course, government had not then taken on many of its newer functions in the since greatly changed fields of its representation of the people.

The people of the United States need no enactment of congress to "reaffirm" their friendship for any other people. But, they do need to do something for themselves that will demonstrate that such friendship does exist.

The need for such a demonstration is big, because of the extent to which a very small minority of the people in, if not of, the United States are striving to profit through trading with the enemy, while joining publicly in the condemnation of other nations which have been, at best, slow to put forth any efforts toward the termination of such trading.

It is not conducive to the successful affirming of friendship between peoples when the profit motive induces some in one group to conspire to evade economic restrictions laid by the other. Round-about means of getting around the British exchange controls have been charged against United States business houses in a number of litigations. Of course, such operations are in the sometimes commendable category of popular rebellion against political policies. But, only a few on the restricted side can profit from the transactions—and that, quite naturally, emphasizes their unfriendliness in the eyes of the many who are more or less damaged by them.

World friendliness of peoples is far more potent for the promotion and maintenance of world peace than is any relation of world governments. It is more likely to be honored. Obviously, it must be honest and honorable. The peoples of the world should get together to know one another better, to understand one another better, to like one another better, to help one another—according to needs, not according to desires in any area of reformation or other good-doing or good-getting.

And—in world friendliness, as in all other human relations, actions speak in every way better than words—even those of congressional resolutions.

Washington Talks It Over

—*Continued from page 5*

from the over-the-counter—and therefore unlawful—sales of barbiturates, and since the house ways and means committee and the federal treasury are trying to reach this problem through the narcotics and tax laws, that committee should be given an opportunity to see what it can do.

FDA, however, is hoping this will not be the case. It would like to see the Durham-Humphrey bill passed, and so would the National Association of Retail Druggists!

Fiber Containers Plentiful

One part of the container picture has changed for the better, although tightness in supply with virtually no relief in sight is still the order of the day for other sections of the industry.

NPA officials at a meeting the other day were pleased to learn that, because of the cutbacks in consumer goods, there is no immediate need for controls on production of fiber shipping containers. Manufacturers of the containers anticipate a heavy fall demand however, and are using the present slack period to rebuild seriously depleted inventories. Adhesives and tops are also in good supply, but supplies of stitching wire, of which the industry uses 2,000 tons a quarter, are tight.

Production of paperboard is up about 20 percent over the 1950 rate, and it is estimated that 12,700,000 tons of paperboard will be produced this year. Output of container board (special paperboard for container use) this year will be about 6,800,000 tons, or 1,200,000 tons above the 1950 level.

Belgium Scientist in U.S.

Latest developments of this country in the field of industrial electrolysis of hydrocarbons will be available to the Belgium chemical and petroleum refining industries when the latest visitor from Europe to be financed in part by ECA completes his tour. He is Prof. Felix H. J. Bloyaert, of the physico-chemical department of the University of Liege, Belgium, who is in the United States making a four-months study of our technics.

The results of Prof. Bloyaert's studies will be particularly useful in the electrochemical treatment of organic derivatives from petroleum, says ECA. They will also help to modernize processes in the wood, paper, leather, plastic, cold storage and other industries.

A chemical engineer, Prof. Bloyaert is a member of the Royal Belgian Association of Engineers and Industrialists and of the Belgium Chemical Society. Most of his studies thus far in this country have been carried on at the various colleges and universities, although visits to several private firms such as Allied Chemical & Dye Corporation, Universal Oil Products Company, and Minnesota Mining & Manufacturing Company, are also on his agenda.

Chrome Development Studied

General Services Administration and the Defense Minerals Administration are working out details of a chrome purchase program to encourage the development of some of our West coast deposits. It is expected that announcement soon will be made of an agreement to purchase the metal from deposits around Grant's Pass, Ore., at $115 per ton for material testing 48 percent chrome.

However, the Bureau of Mines is said to have discouraged working the larger deposits of chrome in Montana, where it is claimed there is enough chrome to meet 25 percent of our needs for 100 years. These are the so-called "Stillwater" deposits. Although a Canadian concern claims to have a workable process for obtaining the metal, the Bureau of Mines disputes the value of the process.

RFC dumped considerable money into the area during the last war trying to develop the Stillwater deposits, but without much success.

Metal Allocations Loom

International allocation of world supplies of nickel, cobalt, and possibly manganese, may be attempted before long. The matter is under close study by a commodity committee of the International Materials Conference which the United States, Great Britain, and France set up last February to look into world scarcities of critical materials.

Preliminary statistics and estimates of 1951-52 production and requirements are in the process of being compiled on the basis of information received from most consuming and producing countries. This work is practically completed as far as nickel and cobalt are concerned and will be turned over shortly to the subcommittee on distribution which will work out details of the allocation scheme.

Replies to a questionnaire on manganese have been slower coming in; therefore, it is likely that the examination of the supply position for this metal will be delayed somewhat.

Agricultural Counsel Retires

Joseph O. Parker, who has been counsel to the house committee on agriculture for the past six and a half years, has left the committee to enter private practice of law with former Representative Stephen Pace of Georgia. He will maintain offices in Washington, D. C.

Members of the agricultural chemicals industry well remember the good work done by Mr. Parker several years ago in the drafting of the new economic poisons law—the federal insecticide, fungicide, and rodenticide act. He did much to iron out the legal wrinkles in the writing of the act that today makes it one of the smoothest-operating control laws on the statute books.

He also participated in the drafting of other important agricultural legislation during his tenure with the committee. Prior to that he was on the staff of the solicitor of the Department of Agriculture, which makes him something of an expert on the laws and regulations relating to agriculture.

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Pfizer Riboflavin U.S.P. is available in bottles of 1, 5, 25, 50 and 100 grams, and in drums of 500 grams, 1, 5, 10 and 25 kilos.

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NIACINAMIDE

Pfizer Niacin U.S.P. and Niacinamide U.S.P. are available in bottles of 25, 125 and 500 grams, and in drums of 1, 2½ and 10 kilos.

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d-PANTOTHENATE

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vitamin B_{12}

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Heavy Chemicals

Slow demand for quicksilver induced some sellers to lower prices last week in an attempt to stimulate buying interest. A Canadian producer of nickel has made a substantial advance in price. There was a feeling in copper producing quarters that a ceiling equivalent to that current on Chilean copper may be placed on domestic metal. Lead and zinc continued in short supply. RFC reduced the price of tin.

While there are still shortages of various heavy chemicals, the over-all supply situation has shown improvement. Some of the major producers of bulk soda ash are flush with contract specifications with bagged ash only running a week behind. Shipments of liquid caustic soda have been brought up to even beam by some producers with others not far behind. Muriatic acid remained in free supply but there was no easement in sulphuric acid in sight. The markets for aluminum sulphate and sodium silicate are in good shape. Chlorine was definitely tight with the market feeling the full impact of the seasonal water-processing demand. There was still a severe shortage of carbon tetrachloride and the chlorates were exceedingly tight. The direct allocation of nickel salts is expected to shift distribution difficulties from producers to the government. Copper sulphate was still being sold for August shipment. All of the tin salts were available with production stepped up in some varities.

Paper production based on a percentage of six-day capacity was 104.1 percent for the week ending May 26, according to the This compared with 103.0R in preceding week and 97.3 for the corresponding week in 1950.

Aluminum Chloride—Canada will have a producer of anhydrous for the first time in the history of the Dominion it is stated. Output will be equivalent to meet domestic demand.

Ammoniac Sal—Backlogs were reduced during the past month in white granular with production restored to capacity. There are no first hand inventories at present and demand, principally from the dry-battery industry showed indications of increasing. The supply situation remained tight.

Ammonium Bicarbonate—Increased demand at the close of the month reduced suppliers' inventories to a substantial degree. The inquiry emanated mostly from the cracker bakeries and from the chemical industry.

Carbon Tetrachloride — Supply conditions have not improved during the second quarter to date. The continued shortage and strong demand have forced producers to hold strictly to allocation and at best it was stated that only a little over 50 percent of requirements are being covered.

Chlorine—About the only affiliated alkali chemical that has not improved its supply position. Demand for chlorinated solvents and for various other chemical uses has now been augmented by a heavy call for summer water-processing and pressure for shipments has prevented any easement in supply conditions. There was still difficulty in securing tankcars which tended to aggravate the movement from works.

Copper Sulphate—Agricultural demand remained fully normal with producers still booking August shipments except in emergency cases. Some business has been placed as far ahead as July, 1952, at prices time of shipment. This is entirely unusual and is confined chiefly to Florida. No indication of easement in industrial demand could be noted, the call from this source has continued above normal since the turn of the year. There has been no let up in the export inquiry which is active and covers about every consuming country in Latin America and Europe. Producers are withholding export sales until full coverage of domestic requirements is assured.

Production of copper sulphate in the U.K. during the first three months of the present year was 11,106 tons after the 12,691 tons of Jan.-March, 1950. Output in March this year alone was 3,523 tons.

Fluorspar — Domestic consumption in the first quarter of 1951 reached the unprecedented total of 121,695 short tons, a gain of 7 percent over the previous high established in the preceding quarter, according to the Bureau of Mines. Usage at steel and hydrofluoric acid plants was the largest since 1942 and probably the highest on record.

Production of metallurgical-grade fluorspar in the first quarter, 34,536 tons, was 9 percent less than in the preceding quarter and it was 49 percent smaller than the rate of consumption in steel plants in the first quarter. Production of acid-grade fluorspar in the first quarter, 26,898 tons, was 7 percent greater than in the preceding quarter but it was 25 percent less than the rate of consumption in hydrofluoric acid plants in the first quarter. Consumption of fluorspar was 121,695 tons in the first quarter, compared with 113,670 tons in the previous quarter. Stocks of fluorspar at consumers' plants (150,728 tons) on March 31 were 8 percent less than on December 31, but stocks at mines (25,217 tons) were up 32 percent.

Nickel Sulphate—According to producers, nickel sulphate and nickel salts were placed under direct allocation on June 1. This shifts the distribution of material from producers to the government and does away with complaints regarding quotas from first hands. Stocks have remained definitely short over the past few months as demand far exceeded the production limit. It is expected that a more balanced condition will develop in the near future.

Potash, Caustic—Demand for solid appeared to have been leveled off during the past month but flaked and liquid continued tight with shipments confined to contract consumers. Pressure for shipments, however, did not seem as high as previously noted.

Potassium Carbonate — Supply situation remained tight for both calcined and hydrated. While the glass specialty plants were not exerting the same amount of pressure for shipments noted at the beginning of May, there was a steady demand from the chemical and enameling industries.

Potassium Permanganate—Full production has not been able to entirely level off consuming demand and the market has not eased from its former tight position. The influx of DO's has not aided in attempts to hold the market in balance.

Potassium Stannate — Consuming demand has slowed down. Easement in cadmium stocks has shifted many consumers to the use to this metal from the tin product and platers, including makers of television and electronic gadgets, have shown a preference for cadmium.

Salt Cake—Maintenance of steady demand principally from the kraft papermills has kept the supply situation tight. In producing quarters it was stated that no important easement in inquiry could be noted during the month of May.

Soda Ash—Market conditions have continued to improve with the pressure off for shipments. More than one producer is on even beam with bulk ash while bagged material is still about a week behind. The overall situation, however, shows substantial improvement compared with the first quarter of this year. The market has not quite reached the stage where suppliers are looking for new business.

Soda, Caustic—Some of the major producers are running flush with schedules on liquid and others are nearing this condition. There has been a noticeable relaxation of pressure for shipments although the delay in return of tankcars has caused irregularity in the movement from works. Solid, flaked and other dry forms have not shared the same improvement as liquid and stocks at present are definitely short.

Caustic soda has been added to the list of commodities in Egypt on which periodic reports concerning stocks and sales must be submitted to the Government. Stocks of sodium cyanide have been requisitioned and may be sold only on Government instructions.

Sodium Chlorate—Increased production has not had any important influence in loosening up supply conditions to date.

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

None

Prices Reduced

Quicksilver, $2 per flask.
Tin, 3c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

General Chemicals

Last week	Prev. week	Last month	July 1, 1950	June 2, 1950
244.9	244.9	244.9	223.4	216.8

Acids

Last week	Prev. week	Last month	July 1, 1950	June 2, 1950
126.1	126.1	126.1	121.9	121.9

(*For Current Prices see Page 9*)

dibutyl phthalate
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Output is so heavily sold ahead that new business is not being considered at the present time.

Sodium Nitrite—Continued in exceedingly tight supply with shipments being made from output as producers have no inventories. The movement from works has run behind schedule for several weeks.

Sodium Stannate—Production has been stepped up a bit to meet the increased demand for tin plating at the wire mills. Stocks are not short and requirements are being covered promptly.

Acids

Acetic—Maintenance of strong demand for glacial has prevented easement in the supply position. Rayon mills as well as manufacturers of acetates and esters are keeping shipments under pressure. The lower strength commercial grades have also continued scarce under the influence of the shortage in glacial.

Chromic—Platers are finding stocks relatively tight but are receiving shipments regularly. The current movement is not entirely up to requirements but is gradually improving.

Hydrofluoric—Supply and demand show a fair degree of balance although production is finding an active outlet and there are no surplus stocks.

Muriatic—Consuming demand, while active, has not been of sufficient dimensions to tighten the supply. Stocks continue available for immediate shipment in carboys and tankcars.

Nitric—No unusual activity last week. Current production is leveling off requirements and the market holds a satisfactory degree of balance between supply and demand. The tankcar shortage has not been relieved.

Oxalic—Production has remained insufficient to meet current requirements and the market has given no indication of easement from its former tight position. Output has been considerably hampered by the prolonged stringency in sulphuric acid.

Sulphuric—Capacity production has not been enough to meet the broad extent of demand. The market supply position has remained definitely tight with little chance of improving until ways and means are found to secure more sulphur.

Nonferrous Metals

Aluminum—March shipments of aluminum wrought products, on an average working-day basis, were 5 percent below February, 1951, but 12 percent over the March, 1950, figure, according to the Bureau of the Census. On the same basis, shipments of magnesium wrought products during March were 10 percent over February and more than twice the March, 1950, figure. Net shipments of aluminum wrought products, unadjusted for the number of working days, amounted to 164,000,000 pounds in March as compared to 150,000,000 pounds in February, and 153,000,000 pounds during March, 1950.

Secretary of the Interior has recommended to the Defense Production Administration the approval of the construction of new facilities to increase United States aluminum production capacity 188,000 tons a year. This new capacity would be in addition to the expansion of about 450,000 tons certified in December, 1950. This increase in capacity has been approved by the acting defense production administrator. The expansion of 188,000 tons will bring total certified capacity to 713,000 tons a year of expanded production including 446,000 tons certified on December 11, 1950, and 79,000 tons in reactivated plants.

Copper—Maintained a strong tight position with the price situation confused and the trade awaiting word from ESA. Chilean copper has been sold at 27½c. per pound delivered Valley basis, while domestic sales are being made at price time of shipment. There seemed to be very few sellers of electrolytic at the former price of 24½c. per pound.

Lead—June shipments are being allocated and it looked as though the tonnage would be smaller than May. Beginning next month, producers are required to accept up to 25 percent of available supplies in DO-rated orders. In addition, producers are also required to set aside 5 percent of their anticipated monthly output to meet requirements of hardship cases where consumers are unable to secure their full needs for rated orders.

Magnesium—Net shipments of magnesium wrought products, unadjusted for the number of working days, were 1,889,000 pounds during March as compared to 1,489,000 pounds in February and 868,000 pounds in March, 1950, according to the Bureau of the Census.

Molybdenum—An export licensing quota for molybdenum ores and concentrates in the amount of 1,250,000 pounds of contained molybdenum has been established

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for the second quarter of 1951, the Office of International Trade announced. A quota of 195,000 pounds of ferromolybdenum and molybdenum metal, alloys, scrap, and wire also has been established for the second quarter. The quota for ores and concentrates includes the following chemical items:—molybdenum oxide briquettes, trioxide, trioxide briquettes, and molybdic acid. The molybdenum ores and concentrates will be distributed among the major steel-producing countries of Western Europe, including the United Kingdom, France, Western Germany, Sweden and Italy, where they will be used for defense production and supporting purposes, OIT said.

The quota for ferromolybdenum and molybdenum products will be distributed in large part to Belgium-Luxembourg, Japan and Austria, also for use in steel production for mutual defense. Export licenses issued against the second-quarter export quotas will be valid for six months. In view of the current tightness of U. S. supply, only about 700,000 pounds of ores and concentrates and 100,000 pounds of metals and alloys under the second-quarter quotas will be scheduled for export from May and June production. The balance will be scheduled from third-quarter production, along with further requirements of that period.

Nickel—A major producer in Canada advanced the price 6c. per pound, effective June 1. The upward revision was said to be the result of increased labor costs resulting from union agreements and for other higher producing costs. This would make the export price, including the duty of ¼c. a pound, 56½c.

Quicksilver—Buying interest continued quiet, with sellers naming $210 to $214 per flask, depending upon quantity. The market did not appear firm, although demand was not broad enough to really test prices.

San Francisco.—The market continues inactive and on the quiet side the past week. It is reported that stocks of speculative metal have been somewhat reduced. Metal $212-$214 per flask.

Consumption of quicksilver in the first quarter of 1951 at 18,200 flasks was 48 percent above the quarterly average for 1950 and was at a new peak annual rate, exceeding by a substantial margin even the previous high record established in World War II, according to the Bureau of Mines. Imports continued to be large in January-March, 1951, although they were lower than the quarterly average for 1950. Domestic production at 880 flasks reversed the downtrend of recent quarters with a 40 percent gain over the fourth quarter of 1950. Stocks held by consumers and dealers on March 31, 1951, amounted to 27,300 flasks, and producers held 2,181 flasks.

Prices have been decontrolled in France. It was stated that the French Price Authorities have announced that the price of imported virgin quicksilver can henceforth be freely determined by importers.

Tin—The market price was lowered last week. RFC quoted grade A on the basis of $1.36 per pound for prompt shipment. London and Singapore markets showed slight irregularity, but no drastic price changes were recorded.

Zinc—Stocks of slab zinc remained definitely tight, with production moving rapidly into consuming channels. Early last week section 7 of NPA order M-9 was amended. It states that, commencing June 1, producers and importers must set aside 5 percent of anticipated monthly production of zinc, and that this reserve may be delivered only upon the specific authorization of NPA.

Delphin & Co. Moves

Hal Delphin & Co. has moved to larger quarters at 880 Bergen avenue, Jersey City 6, N. J. The firm is an export-import house dealing in mica, chemicals, pharmaceuticals and tanning materials.

Trade Briefs

Joseph Dixon Crucible Company, Jersey City, N. J., has named Anthony J. Zino, jr., domestic general sales manager.

Charles H. Schroeder has been appointed technical manager of textiles in the industrial products division of B. F. Goodrich Company, succeeding the late Clarence W. Brees.

Alexis O. Verbeke, vice-president of Libby-McNeill & Libby, has been elected a director of the company to succeed Leroy J. Taylor, who has retired.

National Carbon Company, a division of Union Carbide & Carbon Corporation, announces a new size 3-inch by 60-inch graphite ground anode which provides longer life, since there are more pounds per unit of exposed surface. Details can be obtained from the company at 30 East Forty-second street, New York 17.

Pennsalt of Washington Assigns Mattson to Post

Kirk C. Mattson has joined Pennsylvania Salt Manufacturing Company of Washington as district sales manager of the company's Los Angeles office. Mr. Mattson will supervise sales and service of the industrial chemicals and agricultural chemicals departments in Southern California, Arizona, Nevada and New Mexico.

Mr. Mattson assumes his new position after fifteen years' experience in the marketing of industrial and agricultural chemicals in California. Until recently he operated his own chemical sales agency, the Mattson Chemical Company, Los Angeles.

Acheson Colloids Issues Lube Data

"Colloidal Graphite Lubricates Diecasting Machines," a technical article by Walter E. Lang, service engineer for the Acheson Colloids Corporation, Port Huron, Mich., has been made available without cost to all those desiring copies. The article gives complete details on the uses and advantages of colloidal graphite in the lubrication of diecasting machines.

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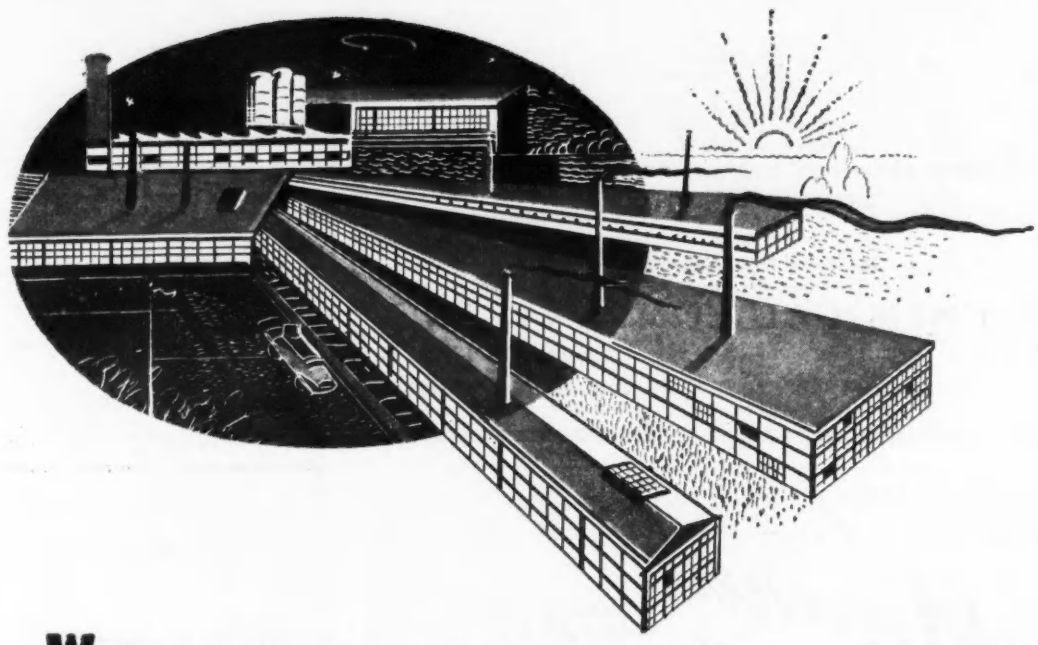

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Philadelphia Quartz Co. In Business 120 Years

The Philadelphia Quartz Company is celebrating 120 years of continuous business. It was July 21, 1831, when Joseph Elkinton first opened the doors of his soap and candle enterprise in Philadelphia. When the founder's sons, Joseph S. and Thomas, finished their schooling, they took an active interest in the enterprise.

Thomas Elkinton's leaning toward technology directed his attention to a chemical, silicate of soda, mentioned in a scientific journal. Thus, it was early in 1858 that equipment was bought to experiment with the product. Silicate sales to other soap makers were inconspicuous until the war between the states brought an embargo on southern rosin to the north. Soap makers became interested to substitute silicate for rosin. The increased acceptance of silicate as a soap-making ingredient soon required greater production. In 1864 a large factory was built at Ninth and Mifflin streets, Philadelphia, and the present firm name came into use. Again in 1889, business growth justified expansion to the West, with a silicate factory in Anderson, Ind.

At the beginning of the present century, the acceptance of the corrugated paper box as a shipping container, resulted in utilizing another of silicate's properties—adhesiveness, which had been discovered earlier. A new plant opened in Chester, Pa., was devoted exclusively to manufacturing silicates of soda. At that time, the Philadelphia factory was closed and soap making discontinued.

Through the company's research over a long period of years, series of chemicals were produced by varying the proportions of the ingredients of silicate of soda which led to a variety of useful applications. Industries now using silicate of soda include paper, paperboard, oil, rubber, textile, laundry, mining, ceramics, zeolites, catalytic gels. Other uses have been developed such as the coating of granules for asphalt shingles, washing and skinning of fruits and vegetables, the solidification of porous earth, prevention of corrosion in hot and cold water lines, coagulating aids for raw water supplies and waste waters.

English Joins Panero Firm

Paul X. English, retired Brig. Gen. in the US Army and wartime chief of the industrial division of The Chemical Corps, has joined Guy B. Panero, engineering firm of New York and Washington, as director of industrial engineering. Mr. English retired from the Army at his own request in 1946 after thirty-three years of active service. He had been associated with the Harmonic Reed Corporation, Philadelphia, before joining Panero.

G-E Assigns Staley To Mica Products Post

Ronald W. Staley of General Electric's chemical department has been named engineering supervisor on new mica products for the laminated and insulating products division. Mr. Staley joined the company in 1937 as a student engineer. In 1938 he was named development engineer of the plastics laboratory and in 1942 was made a laboratory group leader. In 1948 he was appointed section head of pilot operations of the new products development laboratory and, a year later, named section head of the laboratory's product evaluation group.

Gillies & Loughlin Dissolved

The partnership of Gillies & Loughlin, San Francisco, was dissolved May 31 and the company is being operated under the name of William C. Loughlin & Co. It is a supplier of raw materials, chemicals and allied products.

McAdam Has New Phone No.

T. F. McAdam, Inc., 125 Broad street, New York 4, has changed its telephone number to BOwling Green 9-8687.

Trade Briefs

P. & S. Chemical Company has been formed at 67 Dundee street, Buffalo, N. Y., by Clarence Peterson, Theodore F. Hemmermiller and Edward E. Schmelzer.

Dr. Charles A. Thomas, president of Monsanto Chemical Company, has been elected a director of the First National Bank of St. Louis.

Dr. Arthur W. Wishart, vice-president of the McKee Glass Company, Jeannette, Pa., has joined the Westinghouse Electric Corporation as manager of the newly-organized glass manufacturing division.

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Chemical Plants Safety Record Reported for 1950

Chemical plants are among the safest places in the country in which to work, according to figures released May 29 by the Manufacturing Chemists' Association. A record low of 4.56 injuries per 1,000,000 man-hours worked was achieved in 1950 by the association's member companies, which account for about 90 percent of total United States chemical production.

"This accident rate is less than half the national average," Dr. A. G. Cranch, chairman of the association's safety committee said, "and lower than that of any other industry except communications." Chemical injury rates have been substantially below the average for all industry for many years, according to Dr. Cranch, "but chemical plants have made especially notable progress in reducing industrial injuries since 1946." The average rate for the association's member companies has dropped 40 percent during the past five years.

Trade Briefs

Glen E. Wilson has been named director of employe relations, a newly created post of B. F. Goodrich Chemical Company.

Continental Can Company has advanced Warren A. Lacke from assistant manager to general manager of industrial relations.

American Can Company, New York, has named G. W. Reese general manager of manufacture.

Current Prices

—*Continued from page 37*

Zinc naphthenate liquid 8% Zn, frt. alld.	lb.	.24	—
10% Zn, dms., frt. alld.	lb.	.29¼	—
Oleate, fused, bbls.	lb.	.36	—
Oxide, pigment, dom., acicular, bgs., c.l., divd	lb.	.16	—
t.c.l., divd.	lb.	.17	—
American process, com'l, lead-free, bgs., c.l., divd	lb.	.16	—
t.c.l., divd.	lb.	.17	—
leaded, 5% bgs., c.l., divd.	lb.	.16	—
t.c.l., divd.	lb.	.17	—
35%, bgs., c.l., divd.	lb.	.16¾	—
t.c.l., divd.	lb.	.17¾	—
50%, bgs., c.l., divd.	lb.	.16¾	—
t.c.l., divd.	lb.	.17¾	—
Zinc oxide pigment, French process, com'l, green seal, bgs., c.l., divd.	lb.	.17¾	—
t.c.l., divd	lb.	.18¾	—
red, seal, bgs., c.l., divd.	lb.	.17¼	—
t.c.l., divd	lb.	.18¼	—
white seal, bgs., c.l., divd	lb.	.18¼	—
t.c.l., divd	lb.	.19¼	—
USP, ctns., c.l., divd.	lb.	.19¼	—
t.c.l. divd	lb.	.20¼	—
Zinc oxide Pac. coast prices 1c. higher; bbl prices ¼c higher than bgs.			
Phenosulphonate, gran., dms.	lb.	.39	—
powd., dms.	lb.	.42	—
Resinate, precip., dms., frt. alld.	lb.	.26	—
Silicofluoride, bbls., works	lb.	.12	—
Stearate, tech., USP, ctns., c.l.	lb.	.46	—
ton lots	lb.	.47	—
less ton lots	lb.	.48	—
Sulphate, cryst., 22% Zn, bgs., c.l., works, frt. alld.	100 lbs.	6.85	—
t.c.l., same basis	100 lbs.	7.25	9.75
flake, 25½%, Zn, bgs., c.l., works, divd	100 lbs.	6.05	—
t.c.l., works	100 lbs.	6.45	8.95
powdered, 36% Zn, bgs., c.l., divd., same basis	100 lbs.	9.25	9.75
t.c.l., same basis	100 lbs.	10.00	10.50
Zinc sulphate in bbls. 40c higher			
USP, gran., dms.	lb.	.26	—
Sulphide, pure, bgs., c.l., divd.	lb.	.24	—
fluorescent, fiber dms., under 1,000 lbs., works	lb.	1.10	1.90
phosphorescent, fiber dms., under 1,000 lbs., works	lb.	1.85	2.50
Thiosulphonate NF gran bbls., dms	lb.	.33	.34
powd. bbls.	lb.	.36	.37
Undecylenate, dms.	lb.	2.25	—
Yellow (see Yellow zinc)			
Zinc-ammonium chloride bgs., c.l., works	100 lbs.	8.60	—
t.c.l., works	100 lbs.	9.00	11.50
Zinc-cadmium sulphide fluorescent, fiber dms., under 1,000 lbs., works	lb.	2.10	2.90
Zinc-calcium resinate, dms., c.l., works	lb.	.1180	.1380
t.c.l. same basis	lb.	.1220	.14
Zinc-formaldehyde sulphoxylate, basic, dms., c.l	lb.	.24½	—
t.c.l.	lb.	.25	—
normal, dms., t.c.l., works	lb.	.52	—
Zircon (see Zirconium silicate.			
Zirconium acetate, 13% sol ZrO_2, bbls., works	lb.	.26½	—
Carbonate, basic, cake, bbls., works	lb.	.30½	—
Hydride, cns., works	lb.	7.00	8.00
Nitrate, dms., works	lb.	2.10	—
Oxide, 98½-99% white, grd., bbls. or bgs., works	lb.	1.50	—
lump, electric-fused, bgs., c.l., works	lb.	.44	—
5 tons, works	lb.	.44½	—
1 ton or less, works	lb.	.45	.48
98½-99%, white, milled electri-fused, bgs., c.l., works	lb.	.59	—
5 tons, works	lb.	.59½	—
1 ton or less, works	lb.	.60	.63
Oxychloride, cryst., ctns., 5 tons, works	lb.	35½	—
Silicate, granular, bgs., c.l., works.	lb.	.03¼	.03¼
10 tons, works	lb.	.03½	.04
5 tons, works	lb.	.04	—
1 ton or less, works	lb.	.04¼	.04¾
milled, bgs., c.l., works	lb.	.04½	—
5 tons, works	lb.	.05¼	—
1 ton or less, works	lb.	.05¾	.06¾
refined, bgs., c.l., works	lb.	.12	—
5 tons, works	lb.	.12½	—
1 ton or less, works	lb.	.13	.17

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Pyrites 1950 Output Up In Spain, Off in Portugal

Production of iron pyrites in Spain increased substantially in 1950 over that in 1949, while Portuguese output declined slightly, according to reports received by the chemical division of the Department of Commerce.

Spanish exports totaled 1,174,145 metric tons, about 10.3 percent more than in 1949. The rise in output was attributed to the stimulus of higher export prices decreed by the government (an increase of about 45 percent) and greater world demand in the latter part of the year. Portuguese 1950 output totaled 613,522 metric tons, compared with 622,925 tons in 1949.

Production of pyrites in Norway is expected to increase to 900,000 metric tons by 1953 from the present rate of 750,000 tons annually. The amount of sulphur derived from this source will then total 110,000 tons, compared with the current output of 95,000 tons.

The government-owned Swedish Shale Oil Company, Orebro, Sweden, has submitted plans to the government for the utilization of certain byproducts from the distillation of shale oil at the company's Kvarntorp plant in making ammonium-nitrate fertilizer. A fertilizer plant to cost from 30,000,000 to 40,000,000 crowns (1 Swedish crown equals $0.1933, United State currency, postdevaluation) is to be built and operated, not by the company, but by the Swedish Cooperative Union. Construction of the plant is contingent upon import licenses being issued for the purchase of equipment and Government approval of a permit. Annual capacity of the proposed plant, estimated at 18,000 metric tons (N content), would be equivalent to 67 percent of current annual domestic production of nitrogenous fertilizers and would cover about 30 percent of requirements.

Monsanto Promotes Three In Engineering Department

Robert E. Lenz has been named assistant to the director of Monsanto Chemical Company's general engineering department in St. Louis, Mo. Mr. Lenz, who was assistant manager of the process engineering section, has been succeeded in that post by Clyde P. Orr. Charles B. Roen has been promoted to project engineer for the process engineering section.

Mr. Lenz joined Monsanto in 1940 as a research chemical engineer with the company's phosphate division at Anniston, Ala., and has been manager of the process section since 1947. Mr. Orr joined Monsanto as a chemical engineer at the Merrimac Division, Everett, Mass., in 1942, and was named project engineer in 1949. Mr. Roen was employed by the Shell Chemical Company as a technologist from 1941 to 1946, before joining Monsanto as a chemical engineer in the general development department.

ECA Announces Additional Procurement Authorizations

Among the new procurements issued to Marshall Plan countries by the Economic Cooperation Administration during the period May 25 to 31 were the following:—

To Austria—$1,000,000 for soybean oil and $30,000 for industrial chemicals other than alcohol from the United States; $200,000 for hides and skins from Latin America.

To Belgium-Luxemburg — $650,000 for petroleum from the United States.

To China—$750,000 for nitrogenous fertilizers from the United States, Canada, Belgium, Netherlands, Austria and Germany.

To Indochina—$454,000 for medicinal preparations from the United States.

To Italy—$1,400,000 for petroleum from Latin America.

To Philippines—$675,000 for fertilizer materials from the United States, Canada, Belgium, Netherlands, Germany and France.

To Sweden—$1,300,000 for petroleum from the United States and Latin America.

Detrex Appoints Lucas

William F. Lucas has been appointed as assistant to the western region manager of Detrex Corporation, Detroit, Mich. Mr. Lucas, who will make his headquarters in the Chicago office, 600 South Michigan avenue, will supervise the technical applications and the field servicing of "Perm-Cote," phosphate-type of rust-proofing compounds, and Detrex alkaline and emulsion cleaners in Wisconsin and northern Illinois.

Amer. Cyanamid Reassigns Case

Edward N. Case has been appointed product supervisor for metal trades product sales in the synthetic organic chemicals department, industrials chemicals division, of American Cyanamid Company. Mr. Case will assume responsibility for the marketing of all of the department's metal trades products, with headquarters at the company"s New York office.

Prior to his new appointment, Mr. Case was group leader of the metal trades laboratory, in the technical service and development division of Cyanamid, at Stamford, Conn.

Organic Chemistry Symposium Scheduled for Denver June 12-16

The twelfth national organic chemistry symposium, which will be sponsored jointly by the division of organic chemistry of the American Chemical Society and the Society's Colorado section, will be held in Denver June 12 to 16.

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Obituaries

Henry L. Taylor

Henry London Taylor, assistant sales manager of chemical sales for Lion Oil Company, El Dorado, Ark., died May 23 in Lumberton, N. C. He was sixty-two years old.

Mr. Taylor had resided in El Dorado since 1946, when he became affiliated with the Lion sales organization. During World War II he was in charge of nitrogen allocations for the War Production Board in Washington, D. C. Prior to that time he was a fertilizer broker in Wilmington, N. C.

Hans Volpp

Hans Volpp, vice-president in charge of production for E. F. Drew & Co., Boonton, N. J., died in Montclair, N. J., May 25. He was fifty-two years old. Mr. Volpp came to the United States from Germany in 1933 and had been associated with the Drew company since then.

Albert E. Wood

Albert E. Wood, civil engineer and executive with the Johns-Manville Corporation, New York, died May 29 in an ambulance as he was taken from his home in Spring Valley, N. J. His age was sixty-two.

Mr. Wood had been assistant to the general manager of the industrial products division of Johns-Manville. He had been associated with the concern for thirty-three years.

Sidney R. Goodman, manager of the foreign freight division of the Corn Products Refining Company, New York, died May 30 in Hempstead, L. I. He was fifty-nine years old. Mr. Goodman joined the Corn Products company following his graduation from high school in 1909.

Victor G. Miller, who retired twenty-four years ago as special agent in the New York territory of Standard Oil Company of New York, died in Kew Gardens, Queens, N. Y., May 27. He was eighty-two years old.

Albert Petronella, sales manager of the Admiracion Laboratories, Newark, N. J., died May 28 at his home in New York. He was fifty-three years old.

Louis E. Volz, personnel director of the Massena, N. Y., works of the Aluminum Company of America since 1928, died in Massena on May 26. He was sixty-one years old.

Bids Wanted

Biologics: serum, virus, vaccine, as required during fiscal year 1952, Federal Reformatory, Chillicothe, Ohio, invitation 5-3744, June 14.

Carbon bisulphide, 165 gallons, Panama Canal Purchasing Officer, Washington 25, invitation S-100976/4/5, June 8.

Carbon tetrachloride, 1,825 gallons, Bonneville Power Administration, Portland 8, Oregon, invitation 5841, June 7.

Caustic soda, 2,000 thirteen-ounce cans, Panama Canal Purchasing Officer, Washington 25, invitation S-100976/4/5, June 8.

Chlorine indicator, 1,104 quarts, Navy Purchasing Office, New York 3, invitation 8958, June 13.

Cornstarch, 39,284 pounds, Quartermaster Purchasing Division, 1819 W. Pershing Road, Chicago, invitation 1726, June 7.

Detergent, dishwashing, 28,000 pounds, Army Quartermaster, General Depot, Schenectady, N.Y., invitation QM-71, June 13; 4,000 pounds, Federal Supply Service, P.O.B. 5127, Cleveland 1, invitation CL-3417, June 12.

Fats and oils, edible: shortening, 4,000 pounds, margarine, 7,500 pounds, and vegetable salad oil, 240 gallons, U. S. Penitentiary, Atlanta, Ga., invitation 2-5717, June 8; lard, shortening, and vegetable salad oil, as required, July 1 through September 30, 1951, U. S. Penitentiary, Lewisburg, Pa., invitation 14-3257, June 12; vegetable oil, 6,000 gallons, Quartermaster Purchasing Division, 1819 W. Pershing Road, Chicago, invitation 1770, June 18.

Flavor, vanilla, 3,800 bottles, and lemon, 1,400 bottles, Quartermaster Purchasing Division, 1819 West Pershing Road, Chicago, invitation 1732, June 15.

Gases: carbon dioxide, liquid, as required during fiscal year 1952, Langley Air Force Base, Va., invitation 100, June 7; chlorine, liquid, Army Engineers Corps, San Francisco, invitation 36, June 14; oxygen, argon, acetylene and nitrogen, as required, Bonneville Power Administration, Portland 8, Oregon, invitation 5856, June 13; petroleum gas, liquefied, as required, invitation 5852, June 11; chlorine, liquid, as required, invitation 5853, June 12; propane, liquefied, 30,000 pounds, acetylene, welding, 5,000 cubic feet, oxygen, welding, 7,500 cubic feet, U. S. Penitentiary, Alcatraz, California, invitation 18-4770, June 11; chlorine, liquid, 4,500 pounds, as required, Federal Reformatory, Chillicothe, Ohio, invitation 5-3745, June 14; oxygen, medical and commercial, nitrous oxide, oxygen and carbon dioxide mixture, acetylene, commercial, as required, Veterans Administration Hospital, Saginaw, Michigan, invitation 6, June 7; oxygen, carbon dioxide, cyclopropane, nitrous oxide, as required, V. A. Hospital, Marlin, Texas, invitation 3, June 7; carbon dioxide, cyclopropane, ethylene, helium, helium and oxygen mixture, nitrous oxide, oxygen, and acetylene, as required, V. A. Hospital, Fayetteville, N. C., invitation 11, June 15; chlorine, liquid, acetylene, oxygen, V. A. Hospital, Fort Meade, S. D., invitation 6, June 8; natural gas, invitation 8, June 11; oxygen, as required, V. A. Reginol Office, 415 Pine Street, St. Louis 2, Mo., invitation 3, June 7; oxygen and acetylene, July 1 through December 31, 1951, Army Engineers Corps, P.O.B. 60, Vicksburg, Miss., invitation CIVENG-194, June 14.

Hydraulic oil, 4,400 gallons, Frankford Arsenal, Philadelphia, invitation 610, June 8.

Manila resin, 4,375 pounds, Public Buildings Service (Washington 25) invitation 1212, June 11.

Molasses, 19,200 pounds, and syrup, 134,705 pounds, Quartermaster Purchasing Division, 1819 W. Pershing Road, Chicago, invitation 1731, June 14.

Oil and grease, lubricating and other, as required from September 1, 1951, through August 31, 1952, Federal Supply Service (Washington 25) class 14, June 8.

Paint & allied products: paint, water, 4,125 pounds, Federal Correctional Institution, SaTuna, Texas, invitation 13-4276, June 9; enamel, 15,000 gallons, various deliveries, Navy Department (Aviation Supply Office, Philadelphia 11) invitation B-54-091, June 15; primer, zinc chromate, 20,000 gallons, invitation B-54,088, June 14; enamel, 390 gallons, and paint, 1,115 gallons, Army Quartermaster, Fort Bliss, Texas, invitation E-82, June 8; enamel, 500 gallons, spar varnish, 240 gallons, and paint, various, 8,955 gallons, General Services Administration, 1114 Commerce Street, Dallas, Texas, invitation FW-14703, June 13.

Pepper, 1,800 pounds, Federal Supply Service, Washington 25, invitation IN-204-R, June 18.

Pigment in paste, 2,500 pounds, in oil, 108 quarts, General Services Administration, 1114 Commerce Street, Dallas, Texas, invitation FW-14703, June 13.

Streptomycin and dihydrostreptomycin, as required through March 31, 1952, Veterans Administration (Washington 25) invitation A-99, June 6.

Sulphuric acid, storage batteries, 10,000 gallons, Marine Corps, Quartermaster General, Washington 25, invitation 1944, June 13.

Surgical soap, with hexachlorophene, 47,808 four-ounce cakes, Quartermaster Procurement Agency, New York 3, invitation 1290, June 11.

Thinner, pyroxylin dope and lacquer, 300,011 gallons, Navy Department (Aviation Supply Office, Philadelphia 11) invitation B-54,089, June 12; paint, 500 gallons, and remover, 1,030 gallons, General Services Administration, 1114 Commerce Street, Dallas, Texas, invitation FW-14703, June 13.

Transformer oil, 3,500 gallons, Big Horn District Bureau of Reclamation, P.O.B. 839, Cody, Wyoming, invitation 601-P-2038A, June 13.

Wax, solvent type, 5,000 gallons, Post Office Department, Washington 25, invitation 36, June 6.

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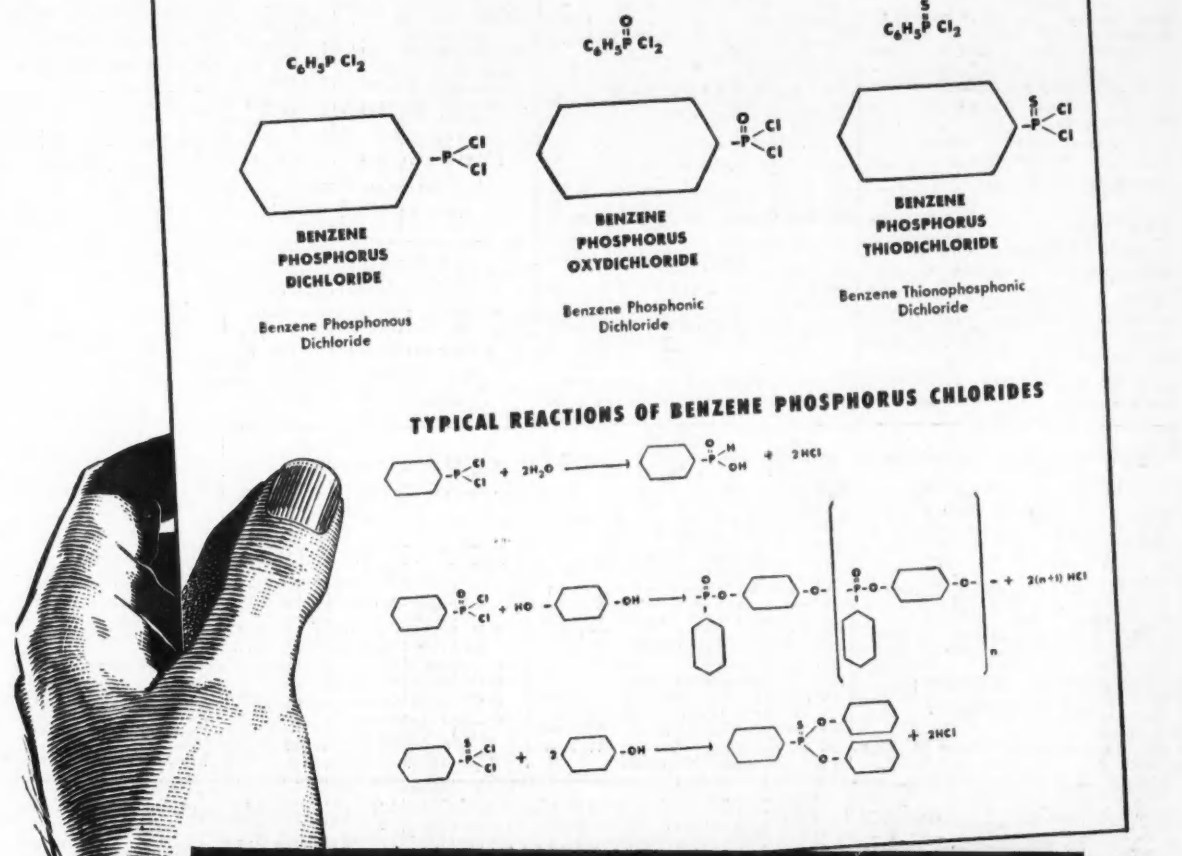

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NPC Appoints Committees To Study Defense Problems

The National Petroleum Council at its recent meeting in Washington authorized the appointment of five new committees to make studies of petroleum problems in connection with national defense. The council also approved a report on materials and chemical requirements of the oil and gas industries which contains lists of critical materials and chemicals now in short supply and in prospective short supply. The new committees set up by the council are:—

1. A committee to make a study of the feasability of underground storage of petroleum products.

2. A committee to make a study of chemicals or other additives which may be used as a substitute for quebracho in drilling mud and a determination of the availability of such substitute materials.

3. A committee to study availability, adequacy of transportation facilities, and the minimum materials required for production and transportation of liquefied petroleum gas.

4. A committee to study and report on the trends in manufacture, sale, installation and use of petroleum consuming equipment.

5. A committee to undertake a census of tank trucks.

Blaser Honored at Dinner

A testimonial dinner for Rexford S. Blaser, recently elected president of Ashland Oil & Refining Company, was tendered by the Petroleum Club at the Cleveland hotel, Cleveland, Ohio, on May 25. Mr. Blaser is a past president and director of the club. He is planning to move to the company's headquarters in Ashland, Ky.

Sun Oil Names Gladney Southwest Producing Head

Appointment of Sam M. Gladney as manager of Sun Oil Company's southwest producing division was announced May 28. Mr. Gladney, who has been assistant manager of the division since 1947, succeeds J. H. Pressley who has relinquished all managerial and official capacities with Sun because of prolonged absence from company activities due to continued illness. Mr. Pressley has been with Sun since 1905. Succeeding Mr. Gladney as assistant manager will be Tom F. Hill, who has been regional land superintendent since February 1, 1950.

Alcoa Offers New Booklet

Aluminum Company of America has prepared for free distribution a fourteen-page illustrated booklet on its East St. Louis, Ill., research laboratory. One of the four branches of Aluminum Research Laboratories, the East St. Louis laboratory serves Aluminum Ore Company, a wholly-owned subsidiary of Alcoa devoted to the manufacture of industrial chemicals, principally the aluminas and fluorides. Besides describing the laboratory building and its equipment, the booklet tells the aim and scope of the research done there and the nature of the many products that Aluminum Ore Company provides for industry. For a free copy, write to Aluminum Company of America, 680 Gulf Building, Pittsburgh 19, Pa.

Oil Exploration Rights Offered to US Firms

Exploration rights to a petroleum concession in Dhofar Province are offered free of obligation to United States oil companies for a period up to two years, by the Sultan of Muscat and Oman. It is understood that the fullest cooperation possible will be extended to any interested parties.

Firms wishing to investigate this offer may communicate their interest to the US Consulate General, Dhahran, Saudi Arabia, for transmittal to the Sultan.

Shell Reassigns Randlett

Herbert E. Randlett, jr., has been named technical representative in the New York office of Shell Development Company, it was announced May 28. He replaces Harry K. Sutherland, who has left for California where he will be assistant director of Shell Oil Company's agricultural laboratory at Modesto. Mr. Randlett joined Shell in 1939 as a chemist.

Steel Shipping Barrels Output Higher in March

March production of steel barrels and drums, on an average working-day basis, was 2 percent above February and 35 percent above March, 1950, according to the Bureau of Census. During the month the industry turned out 2,761,637 heavy-type barrels and drums, 996,449 light-type barrels and drums, and 7,148,999 steel packages, kegs and pails. This compares with 2,312,972 heavy-type barrels and drums, 860,879 light-type barrels and drums and 5,750,884 steel packages, kegs and pails in February.

Trade Briefs

Deep Rock Oil Corporation has appointed Jack L. Roach manager of the land and exploration service department.

Kendall Refining Company, Bradford, Pa., plans an expansion program costing $913,671 for the production of gasoline.

M. A. Wright has been elected a director of International Company, Ltd., affiliate of Standard Oil Company (N. J.), to succeed C. T. Helm.

Allen Howard, of Shell Oil Company, has been elected president of the New York chapter of the Institute of Internal Auditors.

Socony-Vacuum Oil Company has appointed Burton C. Fowler district sales manager of the lakes division, with headquarters at 130 Pearl street, Buffalo, N. Y.

Herbert A. Gidney, director and executive vice-president of Gulf Oil Corporation, has retired after thirty-one years of service with the company.

A. K. Kline has joined Seminole Oil & Gas Corporation, which has moved its offices from Dallas to Midland, Tex., as operations manager.

East Ohio Gas Company announces the election of William G. Rogers as president and J. French Robinson as chairman of the board.

Esso Shipping Company, affiliate of Standard Oil Company (New Jersey), has completed negotiations for the construction of six super tankers with a volume capacity of 230,000 barrels each.

Petroleum Derivatives

The market for petroleum derivatives continued in pretty much the same vein last week. The slight reduction in demand for some materials was still there and continued to be spotty in nature. Toluol and xylol were somewhat easier, but in the case of toluol, at least, it was expected that there would, before too long, be an additional tightening up resulting from anticipated government demand.

The OPS announced last week that it will establish dollars and cents ceilings for all grades of residual fuel oils on the Atlantic seaboard at 17c. to 31c. per barrel above present prices. The ceilings will be issued and effective today.

Higher boilers and intermediate aromatic solvents held to the tight supply and strong demand that had characterized these products for some time. There was slightly less pressure on the aliphatics than there had been some time back, but the amount of easing was such that it caused no particular concern. LPG's were in a steady seasonal call although it was not, of course, as great as during the cold months. The requirements of wax consumers were off a little, but the demand still held at satisfactory levels. Petrolatum and white mineral oils were pretty stable and the efforts of producers to get their empty drums back was meeting with pretty fair success.

Solvents and Diluents

The market for toluol and xylol was without any great change from its position of the previous week. At that time it was reported that there were some easings and they were still apparent last week, although it was reported that they were of no greater proportions. The lessening in demand appeared to be spotty as to locale. One of the reasons was said to be government holdups in the taking of material that was ready for delivery. It was expected that the government requirements of toluol would increase before too long. Higher boilers were still in as tight a supply position as ever and the requirements of consumers were just as great. Intermediate aromatic solvents were also in good call and tight supply.

Cleaners' Naphtha — The demand for this material was still holding up at good levels during the past week although it was reported that there was some easing. This did not have any great overall effect on the market, however. There was sufficient of the material available to take care of the requirements of the market without any trouble.

Lacquer Diluent—The supply was at good levels last week and the demands of the market could be met comfortably. The demand had tapered off somewhat from the previously observed levels but it was still at a satisfactory point.

Mineral Spirits—There was not a great amount of change to be seen in the market for this item during the past week, although there was some easing. It was, however, of a rather minor nature and was without any great effect on the overall picture. The supply held at levels that made it possible for producers to take care of the requirements of customers without any pinch.

Stoddard Solvent—The market pretty much held to former levels during the past week as far as supply and demand were concerned, although there was some easing in the demand when compared to that of some weeks back. However, this was of a fairly minor nature and did not have any great overall effect. The supply was at levels that made the filling of orders no particular problem.

V. M. & P. Naphtha—The demand continued at what could be called good levels, although there was some easing that had been apparent for several weeks. It was not of great volume, however. The supply held at a point that made for no trouble in the filling of orders.

Crude Oil Stocks

Stocks of domestic and foreign crude petroleum at the close of the week ended May 19 totaled 244,383,000 barrels, according to the Bureau of Mines. Compared with the total of 242,469,000 barrels for the preceding week, this represents an increase of 1,914,000 barrels, comprising an increase of 1,104,000 barrels in stocks of domestic crude and an increase of 810,000 barrels in stocks of foreign crude.

Market Trends

Prices Advanced
None

Prices Reduced
None

(For Current Prices see Page 9)

Lighter Fractions

LPG's—The market was at pretty much unchanged levels during the past week and there were no particular changes that were looked for at this time. This was the time when the Spring load for both butane and propane was being felt and it was, of course, somewhat below that of the Winter months when the cold temperature brought about a greater demand and the pressure on tankcars was greater. The demand held up at good levels for the time of year and there were sufficient supplies available to accommodate it without any particular difficulty.

Waxes

Microcrystalline—Although the demand was not at quite so high a level as it was some weeks back, it was still going along at a satisfactory rate during the past week. The easing that there was was pretty spotty and had no great overall effect. The supply was high enough to take care of the requirements of consumers.

Paraffin—This item had recently shown some easing but it was spotty and not of any great proportions. The supply was at good enough levels to take care of the requirements of the market without any great straining.

Miscellaneous

Crude Oil—The daily average production of crude petroleum reached a record high of 6,052,000 barrels daily in March increasing 122,000 barrels over the February daily average of 5,930,000 barrels reports the Bureau of Mines. Practically all of the states showed gains in daily average production for the month. The indicated domestic demand for crude petroleum averaged 6,107,000 barrels daily or 81,000 barrels below the February rate. Stocks of domestic crude declined at an average rate of 55,000 barrels daily during the month. Total crude stocks, domestic and foreign were 233,824,000 barrels on March 31 compared with 235,247,000 barrels on February 28.

Crude runs to stills averaged 6,469,000 barrels daily in March or 93,000 barrels daily less than the record in February. The average for the first quarter of 1951 was 6,492,000 barrels daily—a gain of 20.7 percent compared with the first quarter of 1950. Total stocks of refined products amounted to 315,287,000 barrels on March 31—a decline of .4 million barrels during the month and 11.6 million during the first quarter. These stocks were 13.2 million barrels higher than on March 31, 1950.

Gasoline—Other companies last week joined the move towards lower dealer tankwagon prices. They are about 1c. on regular and ½c. on premium.

Petrolatum—The market for this material held to what one producer last week called a stable level. The demand continued good and the supply was said to be sufficient to take care of it. However, it was said that there was not the same tension evident that there had been some weeks back. Without showing any serious falling off in demand, the market was said to have a little more relaxed tone to it at this time. The drums situation was not as good as could be hoped for, and those producers who were not on a drums returnable basis were making efforts to have their empties returned to help make up for the new ones they were having difficulty obtaining. It was said that this effort was meeting with success.

White Mineral Oils—The demand continued at good levels during the past week and the indications were that it would go on that way. However, it was reported that the feeling of tension that had been evident in this market for some time was relaxing a bit. Supply was strong enough to take care of the ordinary demand without any trouble. The drums situation was somewhat better since producers had made an effort to have their empties returned, although new drums were still not as freely available as the industry would like them to be.

Los Angeles Petroleum Market

Little change was noted the past week in the solvent and diluent market. Demand remains at a good level, following the seasonal trend, with supplies meeting present industry requirements. Price listings were unchanged with cleaning solvents, including stoddard, quoted from 15.7c. to 19.7c. per gallon, tankwagon, ex-tax, f.o.b. Los Angeles basin area. Lacquer diluent quoted from 16.7c. to 20.7c. per gallon, some basis.

Demand appears to be easing up somewhat for LPG's compared to weeks past although inquiry is being maintained at a good rate. Propane stocks are considered abundant with butane more freely available. Butane quoted 6.3c. per gallon, tankcars, f.o.b. Los Angeles. Propane listed at 5.8c. per gallon, same basis, which may be considered a high quotation in view of the supply position.

Supplies of high melting point paraffin waxes are better meeting requirements of the trade than previously. Demand is holding at a good level with prices firm.

For Late Market Developments, See Page 4

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Textile and Leather Chemicals

Activity in textile and leather chemicals last week was confined to the withdrawal of materials against previous orders, while new buying was spotty, chiefly for fill-in quantities for immediate needs. Prices were without change for most items and steady, while egg derivatives continued to sag with the lower cost of shell eggs. Yolk declined 7 cents per pound and flake albumen 4 cents per pound. Price index dropped 3.4 points.

Supply situation continued tight in bichromates and sodium hydrosulphite. Other chemicals were in good request and steady, reflecting the high cost of basic materials.

Consumers of sizing materials continued to take good sized quantities against former contracts. Grinders of potato starch in Maine were out of the market and were expected to raise prices shortly. Idaho producers offered supplies freely at unchanged quotations. Demand for tapioca flour for shipments was slow and primary markets were unsettled, which was reflected locally. Sago flour was easier for shipment and about 1 cent off from the recent high point. Corn dextrin and starch moved in steady volume against current orders.

Buying interest in tanning materials was centered in quebracho, wattle bark and extract. Business was at a standstill in these products due to the scarcity of supplies at primary sources. Other materials were inactive, but were well held for shipment at former quotations.

NPA issued a new price regulation May 28 to meet the needs of the shoe manufacturing industry last week, which supersedes GPC regulation of January 26. The new regulation, the agency stated, will correct dislocations and distortions in cost-price relationships among various manufacturers which were caused by the general freeze. Each shoe manufacturer is required to establish ceilings using as a base period a calendar quarter of his own selection within the period July 1, 1949, to June 24, 1950, and is permitted to select a different base period for each different category of production.

OPS formally extended May 28 the effective date of the Primary Cotton Textile Manufacturers Regulation and at the same time made two clarifying changes in the wording of the order. Under the new amendments manufacturers may sell at ceilings determined under either CPR 37 or the general price ceiling regulation until July 2 when they must start pricing under the new order.

Market Trends

Prices Advanced

None

Prices Reduced

Egg albumen, flake, 4c. per lb.
Yolk, 7c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	July 1, 1950	June 2, 1950
324.7	328.1	326.8	225.1	222.8

(For Current Prices see Page 9)

Chemicals

Acetic Anhydride — Steady consuming demand was noted, chiefly against current contracts, which absorbed the bulk of the output. Prices were maintained at former levels.

Bichromates—Active consuming demand continued to take the output, keeping the supply situation tight. Export demand also was keen, but the lack of available stocks restricted business. Prices were without change and strong.

Sodium Acetate—There was no change in this market. Supplies were low, due to steady consuming demand for material against former orders. High cost of basic materials kept the market firm at current quotations.

Sodium Hydrosulphite — Supplies are still scarce. Demand continued to absorb output on current orders. While consumption has slackened in some lines, users readily took supplies, increasing inventories. Prices were unchanged and firm.

Sulphonated Oils—Business was reported light and spotty, as consumers restricted demand to small lots for immediate needs. Inquiry from the textile trade was less active. Prices were without change.

Sizing Materials

Blood Albumin—Demand for soluble dried blood continued to take the output, and available supplies were scarce. Albumin also was in steady request, though stocks were in fair supply. Prices of both items were unchanged and firm.

Corn Dextrin—While business was reported spotty, an active request was noted for delivery against current orders. Prices of all grades were unchanged and well held.

Corn Starch—Steady consuming demand was reported for delivery on former orders. New business was moderate. Prices were without change and steady. The visible corn supply declined 2,255,000 bushels to 50,408,000 bushels for the week ended May 25, compared with 40,601,000 bushels for the corresponding week last year, according to the Chicago Board of Trade.

Egg Albumen—This market continued unsettled with cheaper eggs and lack of volume buying, and declined 4c per pound. Business of late has been spotty and confined to small lots for immediate requirements. Flake was reduced to $2.07 to $2.09 per pound, and powdered to $2.11 to $2.13 per pound, according to quantity. Technical was scarce on spot and was offered at $1.15 per pound, f.o.b. western points.

Dried egg production during April totaled 2,027,000 pounds, compared with 12,929,000 pounds during April last year, according to the Bureau of Agricultural Economics. Production consisted of 1,268,000 pounds of dried whole egg, 329,000 pounds of dried albumen and 430,000 pounds of dried yolk. Production for the first four months of this year totaled 7,710,000 pounds, compared with 33,171,000 pounds during the same period last year. Output of liquid egg during April amounted to 78,498,000 pounds. This quantity was 30 percent less than the 112,561,000 pounds produced during April last year and 37 percent less than the 1945-49 average production of 124,309,000 pounds. Egg drying operations were on a much smaller scale than a year ago, while freezing operations during the month were on a larger scale. The quantity of frozen egg produced during April totaled 70,126,000 pounds, 9 percent more than last year's April production of 64,218,000 pounds, but 14 percent less than the 1945-49 average production of 81,293,000 pounds. Frozen stocks increased 49,000,000 pounds during April, compared with an increase of 39,000,000 pounds during April last year and the average increase of 45,000,000 pounds.

Egg Yolk—Lower cost of eggs and quiet trading resulted in sharp declines last week. Yolk dropped 7c. per pound to $1.28 to $1.31 per pound, depending upon quantity. Business was slow and confined to immediate requirements. Production of yolk amounted to 430,000 pounds during April, compared with 569,000 pounds for the same month last year.

Potato Starch — Trading was reported slow. Withdrawals against former orders were in good request. Market remained steady at prevailing levels. Nominal quotations were named at 5¼c. to 5½c. per pound, carlots, f.o.b. Maine, with grinders there not pressing for business, hoping that OPS would announce higher ceilings. Idaho starch was unchanged and offered at 5½c. per pound carlots, f.o.b. mills. The spot market was maintained at 7¾c. to 8¼c. per pound, exwarehouse, depending upon quantity.

Sago Flour—Quiet demand for replacements and increased offerings from primary sources have unsettled this market. Shipments were available at about 7½c. per pound, carlots exdock, with no takers. Stocks on the spot were unchanged at 9½c. per pound for refined and 8c. for unrefined, exwarehouse.

Tapioca Flour—There was little doing in this market. Moderate quantities were moved on spot for actual needs, while interest in forward requirements was slow. High-grade Brazilian was nominal at 8c. to 8¼c. per pound; mediums, 7½c. to 8c., and low, 6¾c. to 7c., exwarehouse, according to quantity. Shipments of top quality Brazilian flour were quoted at 7⅜c. per pound, exdock, carlots.

Tanning Materials

Conditions in the leather market was reported steady. Business was moderate, and took place at ceilings and slightly less than ceilings. Tanneries were operated at about 50 percent of capacity. Supplies of most types of leather were ample and prices were closely held. Tanners Council estimated production footwear at 212,571,000 pairs during the first five

For Late Market Developments, See Page 4

months of the year, some 3½ percent larger than for the same period last year.

Chestnut Extract — Prices were unchanged and firm. Supplies were still light and not sufficient to meet current requirements. However, demand is expected to fall off in the third quarter due to the usual seasonal slackening.

Mangrove Bark—Tanners showed little interest in replacements. Offers of bark from Ecuador were quite liberal and light from Colombia. Primary markets were steady at current quotations.

Myrobalans—Firm conditions prevailed in the primary market for prompt and forward shipment. While business was quiet, prices for all grades were well held. Offerings of J 1's were moderate at former levels.

Quebracho Extract—Lack of offers for shipment from the Argentine continued to restrict business. Demand was active for replacements and unsatisfied. Market was strong at former quotations. Ordinary solid was held at 10 15/16c. per pound and clarified, at 11c. per pound, ex dock, duty extra.

Valonia—Business was inactive. Offers of beard and cups for shipment were not liberal and closely held. Beards, 40-42 percent tannin were quoted at $92 to $93 per ton, ex dock; cups, $68 to $70 per ton, same basis. Extract was maintained at 10½c. per pound, ex dock, duty extra.

Wattle—Tanners were in the market for replacements, but trading continued inactive due to the scarcity of available supplies in Africa for shipment. Market was strong, with prices more or less nominal owing to lack of business. Fair average ranged from $98 to $101.50 per ton, ex dock and merchantable, $94 to $96.50 per ton, as to seller's ceilings. Extract also was unavailable and nominal at 10¾c. per pound, ex dock, duty extra.

Emery Promotes Colby

Emery Industries, Inc., Cincinnati, has announced the promotion of Vernon W. Colby to an assistant chemical sales manager supplementing the activities of Robert T. Hull, also an assistant chemical sales manager, and Robert F. Brown, chemical sales manager. Prior to his recent appointment, Mr. Colby has been servicing the territory composed of Connecticut, Rhode Island, and Eastern New York State.

Hides and Skins June Allocation Same as May

June allocation of cattle hides, calfskins and kips will be based on 95 percent of the estimated available supply, it was announced May 31 by the National Production Authority. This is the same as the May allocation. The remaining 5 percent is being reserved for possible changes in production.

The allocation conforms to NPA order M-35, which provides for equitable distribution among producers of certain types of leather to assure the meeting of defense and certain essential civilian needs. The allocation this month will include 1,512,000 cattle hides, 63,000 calfskins and 159,000 kips.

Quebracho Substitutes Sought

A committee on quebracho requirements of the petroleum industry has been appointed by the National Petroleum Council to study and report as soon as possible on the use of chemicals or other additives as substitutes for quebracho in drilling muds. The committee will also report on the availability of such substitute materials.

The committee was set up in response to a request by the Department of the Interior, because of concern expressed by the Munitions Board over possible interruptions or deficiencies in the supply of quebracho, and in order to carry out the oil and gas industry's well-drilling program.

Trade Briefs

Labsco Chemical Sales Company, has been formed at 880 Ridge road, Lackawanna, N. Y., by Alfonso E., Rocco G. and Loretta A. Verel.

James F. Sweatt, manager of The B. F. Goodrich Company tire plant at Oaks, Pa., since 1943, has been named manager of the company's Los Angeles, Calif., tire plant.

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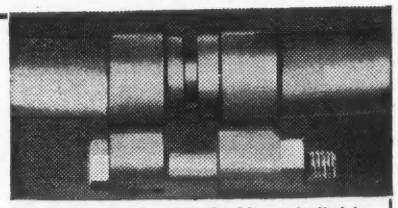

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Prices for dried blood and tankage established new low levels for the year last week. The refusal of the feed interests to increase their inventories was responsible for the decline. The undertone in bone meal was easy, although sellers did not alter former views. Hoof meal drifted along with no additional sales reported. Menhaden meal was slightly lower and scrap declined. The market is facing the period of increased production with buyers showing no desire to operate on an extensive scale. Current prices of fish meal are considerably below the ceilings established by regulation CPR-39 issued by OPS.

Ammonium nitrate continued to hold a tight supply position. The eastern Canadian producer is winding up the season with shipments flush with contract specifications. Stocks of ammonium sulphate remained short and there will probably be no carry-over this year. Seasonal relaxation in demand for superphosphate was noted, but there was no increase in available stocks. Buyers of super are showing concern over their quotas for the new season on account of the sulphuric acid shortage. The producer of cyanamide looks for a tight market over the coming season as a result of a substantial expansion in consuming demand. One of the largest producers of potash has not announced contract prices to date. German muriate and sulphate are offered for June forward shipment.

Nitrogenates

Ammonium Nitrate—Stocks have remained in a snug condition throughout the season with demand keeping ahead of the supply. It is not expected that any first hand inventories will exist on June 30. Eastern Canadian shipments have run flush with contracts and the present outlook favors the same production for the new season starting July 1 as the preceding one.

Ammonium Sulphate—Supply remained tight with buyers awaiting the announcement of contract prices for the new season. The outlook at present is not favorable for the loosening up of material owing to the serious stringency in sulphuric acid.

Bone Meal—Buying interest remained quiet with the feed trade not inclined to take on stocks at present. The tone of the market was easy with sellers quoting $65 for raw and $67.50 per ton for steamed.

Castor Pomace—Sales reported on the basis of $5.50 per unit of ammonia bagged in carlots works. Production continued down and there are no surplus stocks. The fertilizer season ends June 30.

Cyanamide — Stocks have continued short and will likely continue tight over the 1951-52 season. Demand has shown substantial expansion for various agricultural uses and production has not been sufficient to level off requirements.

Dried Blood—New low prices for the year were established last week when sales were made at $7.75 per unit of ammonia New York and at $7.25 Chicago. Refusal of the feed trade to support the market was the primary cause for the decline. The high for the year was recorded in February when sales were made at $9.50 New York.

Fish Meal—Slightly lower in price as the fishing season develops more activity along the Atlantic coast. Buying interest continued relatively quiet with menhaden priced at $125 per ton and scrap at $115 Baltimore area.

March production of fish meal and scrap was placed at 3,388 tons by the Department of the Interior. In March, 1950, output amounted to 3,186 tons. Total production for the first quarter was 14,241 tons, compared with 17,824 tons for the corresponding period in 1950. Importations during February amounted to 6,536 tons an increase of 60 percent over the same month a year ago.

Hoof Meal—No additional sales were reported during the past week. Last transactions were at $7 per unit of ammonia, Chicago basis.

Slag, Agricultural, Liming—According to the Bureau of Mines, 38,331 tons were sold or used during 1950 with a valuation of $53,031. The amount of granulated slag sold or used last year totaled 44,966 tons valued at $48,548. The former grade was from air-cooled iron blast furnaces and the latter from granulated and expanded iron blast furnaces.

Sodium Nitrate—Demand held steady for top dressing with regular consumers receiving quantities equal to a year ago. Production of nitrates in Chile in February, 1951, totaled 134,880 metric tons, the lowest since September, 1950. However, the industry hopes to reach an output of almost 1,900,000 tons in 1951, which would be 18 percent greater than in 1950.

Tankage—Price trend continued downward with sales at New York at $7.25 per unit of ammonia and at $7.50 Chicago. These are the lowest prices registered since July, 1950, and compare with a high of $9.50 recorded in March this year. Demand from feed trade has slowed down materially.

Market Trends

Prices Advanced

None

Prices Reduced

Dried blood, 25c. per unit of ammonia New York; 50c. Chicago.
Fish meal, menhaden, $1.00 per ton.
Fish scrap, menhaden, $5.00 per ton.
Tankage, 25c. per unit of ammonia.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	July 1, 1950	June 2, 1950
87.1	87.1	87.1	82.2	82.2

(*For Current Prices see Page 9*)

Phosphates

Phosphate Rock—Market position steady with regular contract shipments constituting the major part of the week's movement. The constant drain on supplies of Florida high-grade rock has kept stocks down, but there appeared to be no shortage of low-grade material.

In 1950 five countries took more than 75 percent of Tunisian exports of phosphate rock. Percentages were as follows: —France, 26.76; United Kingdom, 14.67; Italy, 12.28; Spain, 11.56; and Germany, 10. Exports totaled 1,571,620 metric tons.

Superphosphate—Supply conditions continued tight. Seasonal relaxation in pressure for shipments was noted with the end of the season June 30 in sight. In producing quarters it was stated that buyers are showing some concern over getting their quotas for future shipment realizing the shortage of sulphuric acid.

Couptoir des Superphosphates, the sales agent of the French superphosphate industry, has announced that supplies for the coming season will be only 80 percent of those in the spring of 1949. It is understood that differences have arisen with North African producers of phosphate rock in regard to prices, and that superphosphate manufacturers have suspended imports of the material pending settlement of the dispute.

Potashes

Demand active, with most of the producers busy writing contracts for the 1951-52 season. All of the producers, with the exception of one, have announced prices for the new year. Mixers have shown a disposition to increase rather than reduce their future commitments. German muriate was offered at 68c. per unit and sulphate at 98c. per unit in bulk ex-vessel Atlantic and Gulf ports for June forward shipments. Considerable inquiry for these materials was reported.

Los Angeles Fertilizer Market

Los Angeles.—The local trade reports a decline in immediate buying interest for fertilizers with the approaching dull seasonal period between plantings, and only mild interest is noted for futures. Arrivals of Canadian material shipments, which have been slow since the first of the year, show considerable improvement and are expected to be on schedule in June. Overall, prices are holding firm with the exception of blood meal which is presently off with the market close to the $7 per unit level. Fish meal prices are firm, with the Los Angeles market reportedly the strongest in the country. Inquiry has been brisk and trading active with export interest from the Philippines. Stocks of Canadian herring meal are running short.

Ruling prices were:—Ammonium nitrate—$69.95 per ton, domestic, f.o.b. Los Angeles, $76.55 per ton for Canadian material, f.o.b. Los Angeles.

Ammonium phosphate—$76.60 per ton for 16/20 grade, f.o.b. Los Angeles. $95.10 per ton for 11/48 grade, f.o.b. Los Angeles, Canadian material.

Ammonium sulphate—$51 per ton in bags, f.o.b. Los Angeles. $3 discount in bulk. Canadian material same.

Blood meal—$7-$7.50 per unit of ammonia at source.

Bone meal—$82 per ton, steamed, 1/30 meal, five tons or over, f.o.b. Los Angeles. $86 per ton for less than five tons.

Calcium nitrate—$49.25 per ton, 15½ percent nitrogen, c.i.f., Los Angeles Harbor.

Fish meals—$143 per ton for 65 percent sar-

For Late Market Developments, See Page 4

dine, f.o.b. Los Angeles; $146.25 per ton, f.o.b. Monterey. $129 per ton for 60 percent tuna, f.o.b. Los Angeles. $150.50 per ton for 70 percent Canadian herring, f.o.b. Seattle or Vancouver.

Potassium muriate, 50½c. per unit in bulk, f.o.b. Trona.

Potassium sulphate—95 to 98 percent K_2SO_4, 86c. per unit, f.o.b. Trona.

Sodium nitrate—$53 per ton in 100-pound bags, f.o.b. Los Angeles Harbor. $48 per ton in bulk.

Superphosphate—$23.70 per ton in bulk, f.o.b. Los Angeles, $4 extra for bags. Ammoniated—$29.50 per ton in bulk, 3/16 grade, f.o.b. Los Angeles, $4 additional for bags. Triple—$68.50-$72 per ton in bulk, 47 percent a.p.a., f.o.b. Los Angeles.

Tankage—wet rendered, fertilizer grades, $6-$6.25 per unit of ammonia, f.o.b. producing plant.

Pesticides

Supply conditions in BHC and DDT as well as other synthetics and sulphur dust continued tight. Pressure for shipments did not appear as heavy at the close as at the beginning of the month probably because suppliers have stocks on the field ready for distribution. The boll-weevil infestation so far has not been as great as anticipated with weather conditions playing an important part in future developments. A substantial increase in dusting operations will take place this month.

Cotton ginners and oil mill operators in 12 parishes in Louisiana, one county in New Mexico, 4 Oklahoma counties, and 44 Texas counties will be required to sterilize, fumigate, or process their lint, linters and cottonseed before these products may move interstate from pink bollworm infested area, under an amended quarantine order effective May 29, 1951, the Department of Agriculture announced. Parraleling intrastate quarantines have already been adopted by the four states affected. This new territory has been added to the pink bollworm regulated area because it was recently invaded by this destructive cotton pest. Compression, heat treatment, and methyl bromide fumigation are some of the requirements for treating cotton and cotton products to reduce the abundance of the pest within infested areas and to prevent its spread to uninfested sections.

Venezuela now has two airplane dusting services to apply insecticides and herbicides in farm operations. The second company began work in March, 1951.

Sulphur—According to OIT, export quotas for 1951 will be reduced to 960,000 tons, which will be about 19 percent under 1949 and 12 percent under 1950. It will also reduce the percentage of production exported to 19 percent, compared with 26 percent in 1949 and 22 percent in 1950.

The Indian minister states that the United States had allocated to India 8,000 tons of sulphur for the first quarter of this year and 14,000 tons for the second quarter. Last year India imported from the United States over 48,000 tons of sulphur valued at over $1,848,000. India's annual requirements of this commodity were over 60,000 tons. He informed the House that the government had under consideration two schemes for producing sulphur in the country from gypsum.

United Kingdom is importing pyrites from Spain for the sulfuric-acid plants which can utilize that material. The amounts received are sufficient to maintain full operations in such plants, the Board of Trade states.

Greece Seeking Bids

The Office of Small Business of the Economic Cooperation Administration states that Greece is seeking to purchase about 30,000 tons of ammonium sulphate and is inviting suppliers to submit offers by 12 noon, Athens time, June 12, to Agricultural Bank of Greece, Athens, Greece. Terms and specifications for the procurement are available from the field offices of the Department of Commerce and from the Greek Consulates at Boston, New Orleans, New York and San Francisco.

Trade Briefs

E. I. duPont de Nemours & Co., Wilmington, Del., for the ninth consecutive year has won the National Safety Council's Distinguished Service to Safety Award.

Dr. Frank T. Glucker, jr., chairman of the department of chemistry at Indiana University since 1947, has been appointed Dean of Arts and Sciences by the University.

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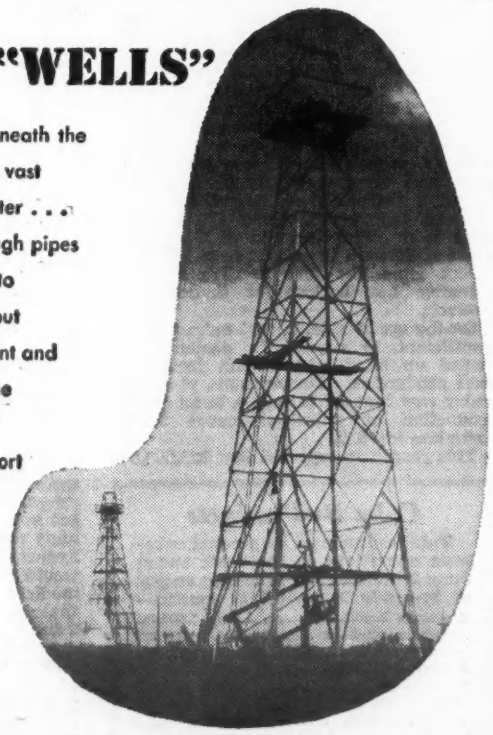

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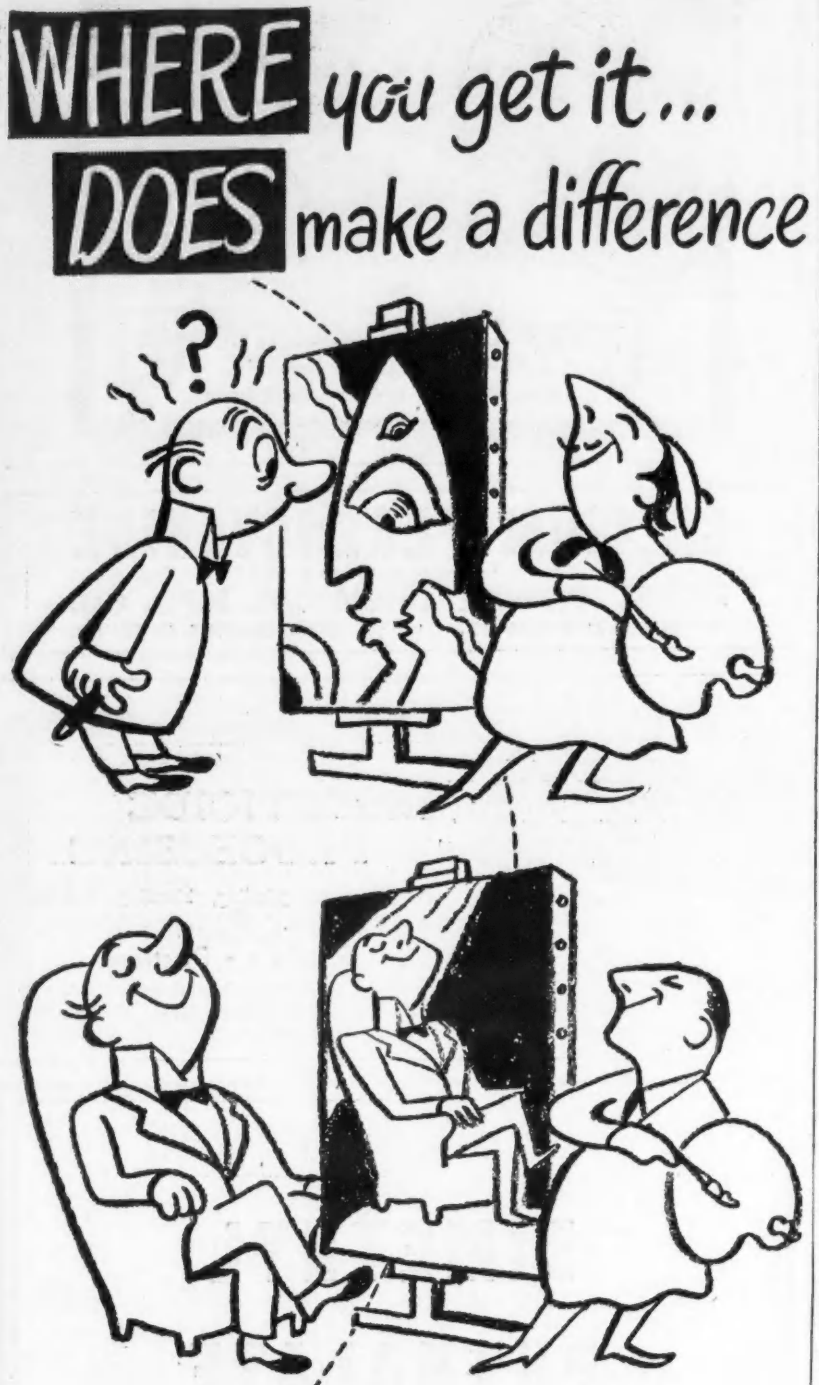

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Coaltar Chemicals

The main news in the market continued to be made in Washington last week, as the Office of Price Stabilization postponed the filing date under the import price regulation (CPR-31) from June 1 to July 15.

The action by OPS, contained in amendment 2 to CPR-31, stated that importers can use pricing methods set forth in the order as soon after June 1 as they file. Unanswered by the agency were industry objections to the order itself. Primary among these is the contention by traders that CPR-31 is unfair because the base period selected for computing dollars-and-cents markups over landed cost was one of depressed prices, and, therefore, cannot be taken as an accurate reflection of the market.

On domestic items, a status quo position was maintained on prices. Producers reported that their accounting, sales and legal departments were going all-out to meet the July 2 deadline established by OPS for filing under the manufacturers' ceiling price regulation (CPR-22), and that that it was still too early to tell whether the option to price under new ceilings before that date would be taken up.

With the possible exception of creosote, which remained in adequate supply due to less-than-capacity operations of wood preservers, all basic products were extremely short and under a heavy pressure of demand. Call for textile dyestuffs was slow, due to the slump in that consuming industry. However, vats were still said to be holding up well.

Notwithstanding the lull in dye business, supplies of all intermediates remained tight, since dyestuff manufacturers were reported to be taking advantage of the lull by stocking up on raw materials. Especially scarce among the intermediates was monochlorobenzene, production of which was limited by the acute supply position of benzol and chlorine. While there was some slight falling off noted in alkyd resins, there was no indication of this in the phthalic anhydride market. Short last week, the material was destined to become shorter during the second half of the year, observers said, if the downward trend of naphthalene imports continued. Resorcinol went under allocation June 1 as an appendix A material under NPA order M-45.

The American Iron and Steel Institute reported the operating rate of the industry at 102.7 percent of theoretical capacity for the week ended June 2. This was equivalent to the production of 2,053,000 tons of ingots and castings, compared with 2,071,000 tons the previous week, and 1,934,900 tons a year ago.

Market Trends

Prices Advanced
None

Prices Reduced
None

Comparative Price Indexes
(100=August 1, 1914)

Last week	Prev. week	Last month	July 1, 1950	June 2, 1950
134.9	134.9	134.9	107.5	106.6

(For Current Prices see Page 9)

Basic Products

Benzol—The supply picture continued very bleak. Not only was there not enough material to go around last week, but it was increasingly evident that little in the way of relief could be expected for some months to come. Key to the entire situation has been the vastly expanded production in recent years of benzol-based products, such as nylon, synthetic detergents and styrene. This, in turn, has caused a sharp rise in benzol consumption—an increase of some 500 percent since 1940. That the end of this rising curve of demand is not yet in sight is apparent from the fact that research is widening the horizon of benzol-based products.

On the credit side, benzol output, while insufficient to cope with demand, has moved up hand-in-hand with increasing steel production. Furthermore, plans are under way looking toward a boost in the production of petroleum-source benzol sometime in 1952.

This year it is expected that 235,000,000 gallons of benzol will be available. Of this total, 170,000,000 gallons will come from domestic coke and light oil production, 25,000,000 gallons from petroleum industry sources, and 40,000,000 gallons from imports. Estimates on 1951 consumption requirements, as reported to NPA, have been placed at 252,000,000 gallons of benzol, 222,000,000 gallons representing normal civilian usage and the remaining 30,000,000 gallons to be used for defense-supporting and direct and indirect military purposes.

Coaltar—Although down .9 percent last week, steel production was still running at an extraordinarily high level. Output of this basic also continued in high gear. However, demand was as heavy as ever, and supplies were regarded as short. There were no price changes.

Creosote—Alone among the basics, this material remained in adequate supply during the period. Wood preserving operations, while at an excellent rate, were still said to be running at somewhat less than capacity. Suppliers continued in a position to meet all calls with reasonable promptness, but it was emphasized that the supply-and-demand situation was healthy and that there were no signs of backing up of material.

In amendment 2 to CPR-31, OPS last week extended from June 1 to July 15 the time by which importers subject to the regulation may file price data. They can use pricing methods set forth in the order as soon after June 1 as they file. The action was taken because of the inability of some importers to file by the June 1 deadline.

Cresol—Demand continued to outrun supply by a wide margin last week. Producers made shipments promptly out of current output, but were still faced with a heavy backlog of orders. As to the immediate outlook, they saw little hope of catching up with demand within the next few months. Contract customers, while taking up their full quotas, reported that they had barely enough material to cover their immediate needs. There was nothing available on spot.

Cresylic Acid—Although OPS extended the filing date of the import price regulation (CPR-31) from June 1 to July 15 last week, the imported market continued substantially without change, quotations on ADF acid holding at a range of $1.50 to $1.55 per gallon. The action by the government agency, contained in amendment 2 to CPR-31, was a simple postponement of the filing date, and entailed no basic change in the order's provisions. Traders have contended that CPR-31 is unfair because the base period selected for computing dollars-and-cents markups over landed cost was one of depressed prices, and, therefore, cannot be taken as an accurate reflection of the market. In addition, they have also shown considerable displeasure with profit curbs on sales between brokers. Importations of cresylic acid last week totaled 1,079 drums from Sydney, Glasgow, Middleburgh and Liverpool.

Domestic cresylic output continued well below consumer needs, although material moved in good volume through regular contract channels. Prices were maintained at ceilings.

Naphthalene — Trading in imported crude material continued within the 9-to-11-cent range last week, as OPS extended to July 15 the time in which importers may file under CPR-31. Although most transactions were at the higher end of the range, there was no indication of the market moving above the 11-cent level. Behind this was the fact that phthalic anhydride prices are frozen, and that it would not pay producers of the intermediate to go above 11 cents for naphthalene. Imported during the week were 2,467 bags of naphthalene from Rotterdam and Antwerp.

With paradichlorobenzene short because of the critical supply position of benzol and chlorine, demand for refined naphthalene, normally good at this time of year, was said to be, if anything, somewhat better than last season. However, the heavy demand for crude tended to have a de-

Coke By-Products

Total estimate of by-product coke-oven operations in the week ended June 2 indicate the following output of by-products from that source:—

Ammonia liquid, NH_3	lbs.	1,000,947
Ammonia sulphate	lbs.	34,553,232
Benzol	gals.	3,373,054
Coaltar	gals.	15,336,992
Creosote oil	gals.	617,022
Naphthalene, crude	lbs.	2,097,873
Pyridin, refined	lbs.	24,681
Toluol	gals.	637,589
Xylol	gals.	164,539

For Late Market Developments, See Page 4

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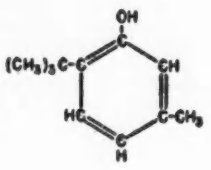
This chemical closely resembles thymol in structure, with the isopropyl group of thymol replaced by the tert-butyl group of MBMC. It will undergo most of the reactions of the lower alkylated phenols. As an intermediate, Koppers MBMC is useful in the production of rubber antioxidants and the perfume fixative musk ambrette. It should also be considered as a raw material for rubber processing chemicals, lubricating oil additives, and synthetic resins.

Physical Properties of the Pure Compound

Freezing Point	23.5°C.
Boiling Point, 760 mm	244°C.
Specific Gravity, 80°C.	0.922
Hydroxyl Number (theory)	342



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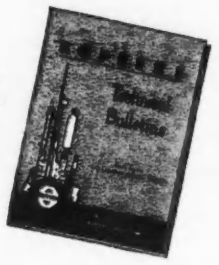

KOPPERS COMPANY, INC. KOPPERS Chemical Division, Pittsburgh 19, Pa.

pressing effect on refined naphthalene production, with some domestic producers reportedly holding down refined output in order to have more crude available for phthalic anhydride production.

Phenol—Producers continued hard put to keep pace with their contract commitments, with phenol and all of its chemical derivatives still woefully short of consumer needs. The heavy drain on benzol supplies due to defense requirements left barely enough material for phenol production to cover immediate requirements.

To keep production operations running, phenol producers were said to be going after badly-needed raw material from any and all sources. Those who could were asking partial shipments of benzol against quotas. In addition, producers were even resorting to methods which tended to raise the average manufacturing cost per pound of phenol, bringing in and reprocessing imported benzol, acquiring premium-priced petroleum benzol and seeking out small odd lots in all sections of the country despite the high freight rates involved.

Pyridin—Production of refined 2-degree material continued sold up during the period. With pharmaceutical manufacturers increasingly active in the market, taking all that their quotas would allow, indications were that output would remain in a sold-up position for some time to come. The price situation remained unchanged, a wide differential between producers' schedules continuing to prevail.

Solvent Naphtha—Stocks were still well below all consumer needs last week. Demand continued strong, with no signs of a letup. Prices were firm.

Toluol—While demand from commercial users continued to slough off, particularly from furniture makers, and, to some degree, from the industrial finishing industry, there was no significant change in the overall supply position, which remained short. Call for toluol for direct defense consumption, however, remained great and showed every indication of moving steadily upward. The decline in toluol demand for use in aviation gasoline was expected to be more than counterbalanced by increased defense needs for explosives production.

Xylol—The supply situation remained acute, notwithstanding a falling off in demand from the furniture and industrial finishing industries. Producers pointed out that this relaxation was minor and temporary and confined in the main to small drum quantities.

Dyes

Call for textile dyestuffs remained slow last week, as the textile industry was still in the throes of a slump. However, vats were still said to be holding up well. The continued lull in demand gave producers additional time to stock up on raw materials and to build dyestuff inventories to normal levels. As a result, the slowness of business in dyestuffs had not yet been reflected in the intermediate chemicals.

Intermediates

Anilin—Scarcity was the ruling factor in this market, notwithstanding the sloughing off in demand for dyestuffs. The limited supply of its raw materials continued to have a profoundly restricting influence over anilin production. Foremost among these was benzol, which was in a critical position, and showed no signs of easement. In processes using monochlorobenzene, the shortage of chlorine also handicapped anilin operations. Among other raw materials, sulphuric acid was tight and the availability of iron filings was not too good. Nitric acid was said to be in a reasonably favorable position.

Dinitrophenol—The United Kingdom, as of May 14, placed licensing restrictions on exports of dinitrophenol to all destinations.

Monochlorobenzene — Intense demand continued to outpace available supply last week. The situation was so acute that producers were frank to state that they could see no signs of a balanced market being achieved this year. Producers, in fact, were using their entire productions themselves and searching for more material wherever it could be found. Key to the monochlorobenzene shortage, of course, was the extreme scarcity of its raw materials, benzol and chlorine.

Phthalic Anhydride—While there was said to be some slight falling off in demand for alkyd resins in certain quarters, nowhere in the phthalic market was there any indication of this relaxation. Supplies of this intermediate remained as tight as ever. As to the future, producers felt that with the revival of the European chemical industry, naphthalene imports, already on the downgrade, would taper off even further.

Resorcinol—This material went under allocation June 1 as per schedule 6 of M-45, announced May 11 by NPA. The agency classified resorcinol as an appendix A chemical, requiring NPA authorization for delivery, acceptance and use.

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Cyanuric Chloride Production Increased by Amer. Cyanamid

Aero cyanuric chloride is now in greatly increased commercial production at the new Warners, N. J., plant of American Cyanamid Company, according to an announcement by the synthetic organic chemicals department. Cyanamid formerly produced cyanuric chloride, principally for dyestuff manufacturers, in a pilot plant at Warners. In April, 1951, production started in the first unit of the new plant, and a second unit, now going into operation, will enable Cyanamid to supply all present demands.

Present and future shortages of many coaltar intermediates, such as resorcinol, now being felt by dyestuff manufacturers, may be lessened by this raw material, offering them a reliable source of supply. Since only a small part of the dyestuff molecule is represented by cyanuric chloride, the costs of brighteners produced from this intermediate are said to be lower than those from other material.

At the present time, the principal users of cyanuric chloride are dyestuff manufacturers for the production of whitening agents. Other uses of cyanuric chloride are in the preparation of acid, anthraquinone, mordant and direct cotton dyes where it links together known dyestuff derivatives, increasing their affinity for vegetable fibers. Some dyestuff manufacturers now produce textile dyes using cyanuric chloride as one of their intermediates.

Cyanamid's new product development department has developed the use of cyanuric chloride for application in the manufacture of resins, pharmaceuticals, explosives, rubber chemicals, moth-proofing agents, surface active agents and plasticizers.

A colorless, crystalline solid, cyanuric chloride is easily hydrolyzed by water, but stable in the anhydrous state. It is easily soluble in acetic acid, ether, heptane and acetonitrile, but sparingly soluble in benzene, acetone, chloroform and nitrobenzene. Below 10°C, the compound is almost insoluble in water; above this temperature, hydrolysis is rapid.

Armstrong Cork Appoints Menger to Research Post

The management staff of the Research Laboratories of the Armstrong Cork Company, Lancaster, Pa., has been enlarged by the creation of the post of associate director of research. F. B. Menger has been appointed to the position. Armstrong's new research laboratories are nearing completion on the Lincoln highway west of Lancaster, and the move was made in preparation for the expansion of the company's research and development program. It is expected that the new facilities will be occupied this fall. Mr. Menger, a member of the Armstrong organization since 1936, has been general production manager since 1945.

Armour Research Foundation Gets Two Ceramic Engineers

Dr. William A. Scholes and Harold N. Barr, ceramic engineers from the Fairchild Engine & Airplane Corporation, Oak Ridge, Tenn., have joined the ceramics and minerals department at Armour Research Foundation of Illinois Institute of Technology. At the foundation, Dr. Scholes will study the development of refractory container materials suitable for melting titanium and its alloys. Mr. Barr will study pressing materials in heated molds.

At Oak Ridge both men worked on uses of nuclear energy for propelling aircraft.

Jacoby '51 Olney Medalist

Raymond W. Jacoby, of Ciba Company, New York, has been selected by the American Association of Textile Chemists and Colorists as the Olney Medalist for 1951. Mr. Jacoby, seventh Olney Medal winner, will be presented with the award in October at the thirtieth national convention of the association in New York.

Linde Synthetic Crystal Products Data Available

Practical data on synthetic, single-crystal products of Linde Air Products Company, a division of Union Carbide & Carbon Corporation, are presented in a new four-page booklet entitled, "Linde Synthetic Crystals for Industry."

Properties, available forms, and uses of Linde synthetic sapphire, spinel, titania, calcium tungstate, cadmium tungstate, and fine almina polishing powders are arranged in tabular form for quick reference. Illustrated uses include applications where extreme hardness, low friction, high dielectric strength and resistance to wear, heat and corrosion are required.

Copies of this new booklet may be obtained without charge from any Linde office, or by writing directly to Linde Air Products Company, 30 East Forty-second street, New York 17.

Safety Council Issues Booklet

National Safety Council is distributing a booklet entitled, "Safety Pays the Smaller Business." The booklet, prepared as the opening gun of a stepped-up effort to interest small business in the economic and social benefits of accident prevention, is divided into three parts: the problem, solution and assisting agencies.

Yugoslavs Making Polyvinyl Plastics

The Jugovinil plant at Split, Yugoslavia, has been producing a polyvinyl plastics material at the rate of 5,000 metric tons annually since December, 1950, according to the Yugoslav press. Efforts to manufacture polyvinyl chloride have not yet been successful.

Bishop Oil Opens Office in N.D.

Bishop Oil Company, San Francisco, Calif., has opened a new district office in Bismarck, N. D. The company is acquiring oil and gas leases in the Williston Basin area of North Dakota.

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● U·S·S Toluol plays a dual role in days like these. It's an important ingredient in wartime explosives; at the same time, it is used in the manufacture of such everyday end products as dyes, saccharine, lacquers and the like.

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USS U·S·S COAL CHEMICALS
UNITED STATES STEEL

British Fats and Oils Output Seen Unchanged

United Kingdom production of fats and oils is expected to be about the same in 1950-51 as in 1949-50, with a decline in whale oil output about offset by increased output of sperm oil and slaughter fats, according to a report received by the Office of Foreign Agricultural Relations. Domestic production contributed only about one-tenth to total supplies. Net imports have remained about unchanged, but there has been a shift to a relatively higher proportion of oil imports as opposed to seeds. The stock position is reported to be very good.

Consumption of oils and fats increased in 1950, especially of butter. The removal of soap rationing contributed to the increased use of non-edible fats. Margarine consumption declined, but consumption is expected to rise in the first half of 1951 because of reduced availability of butter.

Production of fats and oils in the United Kingdom from indigenous materials is estimated at 168,000 metric tons in 1950-51, or almost the same as the 165,000 tons produced in 1949-50. Production is still sharply below the 267,000 tons averaged in 1934-38, and domestic supplies are very small in relationship to requirements. Total consumption is estimated at about 1,700,000 tons so that the domestic contribution was only about 10 percent of needs.

Apex Drops Aluminum Plan

Apex Smelting Company, Chicago, has dropped its plan to build a plant producing approximately 108,000,000 pounds of primary aluminum annually because of its inability to reach mutually satisfactory agreements with the government. Apex was allocated a government-owned potline and rectifying facilities last year when the government's aluminum production program was set up following rejection of a Canadian offer to sell surplus metal to the United States.

Peanut Association Meets

The Southeastern Peanut Association held its thirty-third annual convention recently at the General Oglethorpe hotel, Savannah, Ga. Government regulations were reported to be squeezing the crushers and shellers. The association is trying to work out arrangements with Washington for handling peanuts this coming season in a manner that will allow the industry a fair margin of profit, which, according to all reports, was not done this past season.

Devoe & Raynolds Honors McEwen For Sixty-Two Years of Service

The management and retired employees of the Devoe & Raynolds Company, New York, honored Charles McEwen at a luncheon May 28 for his completion of sixty-two years' service with the company. Mr. McEwen, who joined Devoe in 1889, is chief receptionist in the New York office, prior to which he was an executive of the art division.

Gardner Issues New Brochures

Henry A. Gardner Laboratory, Bethseda, Md., has published brochures describing three new developments. They are, "Ceramic Standards for Color, Reflectance and Gloss"; "1951 Model Gardner Glossmeters," and Interchemical "Gallons Content Nomograph for Fifty-five-Gallon Drums."

Oil Trades Outing June 19

Oil Trades Association of New York will hold its thirty-fifth annual Spring sports outing June 19 at the Pelham Country Club, Pelham Manor, New York. There will be a golf tournament and twenty-five prizes will be awarded. In addition, ten door prizes will also be given out. Reservations by persons planning to attend the outing must be received by the association on or before June 13.

Los Angeles Paint Technicians Discuss 1952 West Coast Meeting

The Pacific Northwest Paint and Varnish Production Club and the Golden Gate Paint and Varnish Production Club have agreed to cooperate in a West Coast regional convention to be held in Los Angeles in 1952, it was announced at the May meeting of the Los Angeles club. Plans and committees to start the machinery for the convention will get underway this month.

Speaker at the meeting was Henry W. Howard of Shell Development Company, Union, N. J., who discussed surface application of "Epon" resins. This was accompanied by a display of actual test panels.

Einhorn Second Vice-President Of Paint and Varnish Exchange

Benjamin Einhorn, president of the Adelphi Paint & Color Works, Ozone Park, Long Island, was elected second vice-president and a member of the board of directors of The Paint and Varnish Exchange Club at a recent meeting in the Taft hotel, New York. Guest speakers at the meeting were Francis L. Licata of Metasap Chemical Company who spoke on "Recent Developments in Stearates and Metallic Soaps," and Dr. Kenneth S. Kirkland, Department of Commerce, who discussed "Small Business and Government Procurement."

Continental Carbon Names Two to New Positions

Continental Carbon Company announces the appointment of Harry L. Ericson as chief chemist of its new Amarillo, Tex., laboratory. Prior to coming to Amarillo, Mr. Ericson had been associated with Witco Chemical Company's research laboratories in both New York and Chicago, and has had a long record of experience in the rubber industry.

The company also named T. A. Ruble as technical supervisor. He was formerly associated with the research department of Phillips Petroleum Company.

G-E Adds to Staff

James Wilson has been named supervisor of the General Electric chemical department's Taunton, Mass., plant production section. Mr. Wilson first came with the company in 1941 at the Fort Wayne, Ind., plant. Prior to his present appointment, he was assistant supervisor of the power transformer division of the Pittsfield Apparatus works.

E. E. Hinson of the chemical department has been assigned as sales representative in Washington, D. C. In his new capacity Mr. Hinson will have responsibility for the sale of industrial laminated plastics and electric insulating materials including varnishes, tapes, and mica. He joined General Electric in 1947. Prior to his recent appointment, he was located as a sales representative in Cleveland, Ohio.

Kilbourn Joins Arnold, Hoffman

Samuel V. D. Kilbourn, former secretary and head of the chemical department of Charles Hardy, Inc., New York, has joined the New York office of Arnold, Hoffman & Co., Providence, R. I. Mr. Kilbourn will be associated with the plastic and resale chemical division of Arnold, Hoffman.

France Reimposes Some Duties

France has reestablished customs duties on the following oils and chemicals:—Karite seed and crude olive oil; castor oil; copra oil; karite and palm kernel oils; refined edible oils of olive, castor, palm kernel, copra and karite, and beet pulps containing less than 10 percent sugar, phosphorus and calcium carbide.

El Dorado Oil to Close for Vacation

El Dorado Oil Works, San Francisco, Calif., will close its Oakland, Calif., plant during the period June 23 to July 10 to afford employees their annual vacation.

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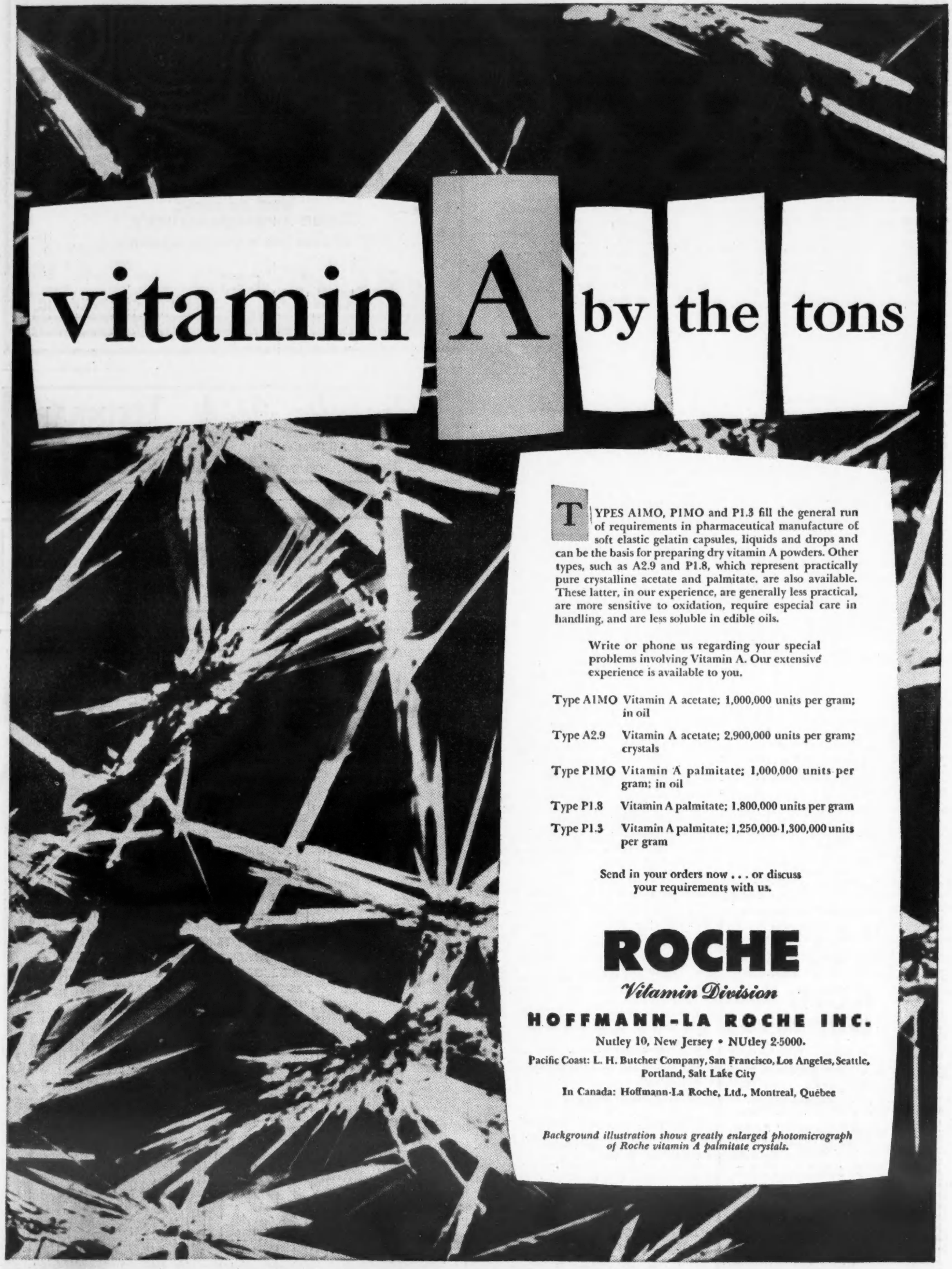

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Type P1MO	Vitamin A palmitate; 1,000,000 units per gram; in oil
Type P1.8	Vitamin A palmitate; 1,800,000 units per gram
Type P1.3	Vitamin A palmitate; 1,250,000-1,300,000 units per gram

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Background illustration shows greatly enlarged photomicrograph of Roche vitamin A palmitate crystals.

Drugs and Fine Chemicals

Last week saw little activity, pricewise, in this market. Cocoa butter registered some fluctuations concurrent with those of the cocoa bean market and at last reports was down 1 cent per pound. Menthol became slightly firmer with an increase of 15 cents per pound while milk powder, which has been fairly stable for some weeks dropped ¼ cent per pound for both the spray and roller dried non fat milk solids.

Elsewhere, throughout the industry, manufacturers continued their feverish efforts of recent weeks in attempting to compute what their new ceiling prices would be under CPR 22. Although the OPS extension order of May 23, stipulated that manufacturers who had filed under CPR 22 by the original deadline, May 28, 1951, would have the option to start using the new ceilings on that date, there was no evidence of any moves in that direction, this week.

The alcohol picture has become considerably easier in the past month. Supplies were in better shape than they had been in some time. There were even reports of proprietary solvent alcohols being sold at prices shaded below official schedules. Methanol, however was still said to be quite tight although the reactivation and expansion of manufacturing facilities was expected to increase available supplies. Manufacturers of anti-freeze compounds were accentuating the tight position of methanol with increased consumption in preparation for the coming winter.

While the drug market as a whole reported somewhat of a seasonal easing, the situation with respect to the antibiotics remained firm and active. The demand for the salicylates, acetanilid, acetophenetiden, and the lithium salts was quite active with supplies in a short position. Synthetic vitamins and penicillin were reported to be in heavy demand and producers were working at peak production schedules.

Acetanilide—The current acute shortness of phenol was reflected in the extremely tight supply of this important drug ingredient. The acetic acid tightness had also its effect on the paucity of this item. Demand was said to be very strong and there seemed to be little indication of any probable alteration in this picture in the foreseeable future. Prices remained at ceiling levels.

Acetone—At latest reports, acetone was still in short supply, although, along with several other large volume organics, the demand has eased somewhat. In heavy demand by a host of industries, there was little expectation of any significant slackening of demand in the foreseeable future. In some quarters, especially those with large scale commitments to the rayon and lacquer industries, the demand had shown no easing whatsoever. Prices currently quoted remained at ceiling schedules.

Alcohol—The alcohol picture has been getting brighter with every passing week, according to reports from many sources. The abnormal demands which the defense program had been expected to make on alcohol supplies have thus far failed to materialize, to a significant extent.

While alcohol was quite scarce a few months ago, expanded production facilities coupled with increased supplies of fermentation materials have resulted in a good supply. There were substantiated reports of proprietary solvent alcohols being sold at prices which were shaded below producer schedules. The government's recent announcement of impending imports of alcohol in 1952 helped to contribute to the feelings of optimism, in some quarters.

However, it was felt by some observers that this was merely a transitory situation. Reports from Cuba indicate an increased molasses production over last year's, but Cuba entered 1951 without sufficient inventories to fulfill last year's contracts. This, plus the fact that Cuba was expected to set aside a large quantity of the molasses crop for domestic usage, could result in an aggravated shortage of fermentation material here.

There was also a great deal of uncertainty over whether additional grain would be diverted for export to UN countries. Then again, the defense program is expected to be in full swing by the Fall, when retooling operations will be completed. The real drainage on alcohol supplies would not be felt until this is accomplished.

A six months' extension of the period for use of the average tare method of gauging packages of distilled spirits for withdrawal from warehouses was authorized by the Alcohol Tax Unit of the Bureau of Internal Revenue. The action was in the form of an amendment to Regulations No. 10, "Warehousing of Distilled Spirits," which changed the date June 30, 1951, to read December 31, 1951.

Castor Oil — Maintaining the trend which has prevailed for the past several weeks, castor beans remained critically scarce this week. The market was entirely nominal. There had been some offerings recently for about $270 per long ton, but at latest reports these had been withdrawn from the market due to lack of bids at this figure.

Imports of castor beans at New York and Philadelphia last week totaled 120,150 pounds, as compared with the 1,656,000 pounds brought in during the corresponding week of last year. Imports of castor oil at the same ports amounted to 1,156 drums, weight unspecified, and 386 tons. No oil was brought in during the corresponding week of 1950.

Total imports of castor beans at these ports from January 1 to June 1, 1951, amounted to 87,288,600 pounds, as compared with the 100,618,500 pounds imported in the corresponding period of last year. Imports of castor oil from the first of this year to June 1 totaled 5,698 tons, 2,043,968 kilos, and 18,103 drums, weight unspecified, as compared with a total of 6,517 tons, 719,452 kilos, and 333 drums, weight unspecified, brought in last year.

Cocoa Butter—In a continuance of a market trend which has persisted for several weeks, cocoa butter showed virtually no market activity last week. Price changes due to fluctuations in the price of cocoa beans furnished a minimum of activity. Demand was almost at a standstill, which is no novelty at this time of the year. Supplies were most abundant, it being reported that at least one major producer curtailed cocoa production in order to cease production of the cocoa butter which is concurrent in the process.

Collodion—Due to restrictions on the applications of tin, collodion continued somewhat tight last week. Demand was good, while difficulties encountered in securing tin-lined drums placed limitations on availability. Prices currently in effect ranged from 32½c. to 34c. per pound in drums for the USP grade, flexible collodion being the latter price.

Dicyclohexylamine — Demand for this important intermediate in insecticide manufacture was reported to be good last week while the supply was fair. Prices currently quoted were 41¾c. per pound in tanks while drum carlots were listed at 43¼c. per pound and less than carlots at 44c. All prices are at the works.

Ethyl Formate—Increased usage of this insecticide has resulted in a strong demand. According to latest reports, the supply was limited, however. As the summer progresses, it was considered that the demand would, in all probability, tend to increase rather than decrease. Prices currently in effect range from 65c. to 70c. per pound in drums.

Lactose—According to latest reports, current crude lactose supplies were unable to keep up with the combined domestic and export demand. Although there have been seasonal increases in supply, the requirements of the penicillin manufacturers were responsible for the maintenance of a strong demand. At present there were no expectations of any easing in the immediate future. Prices remained unchanged from previous schedules.

Menthol—Reflecting an increasing demand for both the Chinese and Brazilian material in recent weeks, menthol went up 15c. per pound last week resulting in a price spread from $12 to $12.40 per pound, duty paid. Demand apparently has remained static and showed no change from the slow inquiry which has characterized this market in recent weeks. In

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

Menthol, 15c. per lb.

Prices Reduced

Cocoa butter, 1c. per lb.
Milk powder, skimmed, roller, ¼c. per lb.
spray, ¼c. per lb.

Comparative Price Indexes

(100—August 1, 1914)

Last week	Prev. week	Last month	July 1, 1950	June 2, 1950
266.2	265.7	263.8	255.8	257.6

(For Current Prices see Page 9)

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PHENOBARBITAL
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PROCAINE
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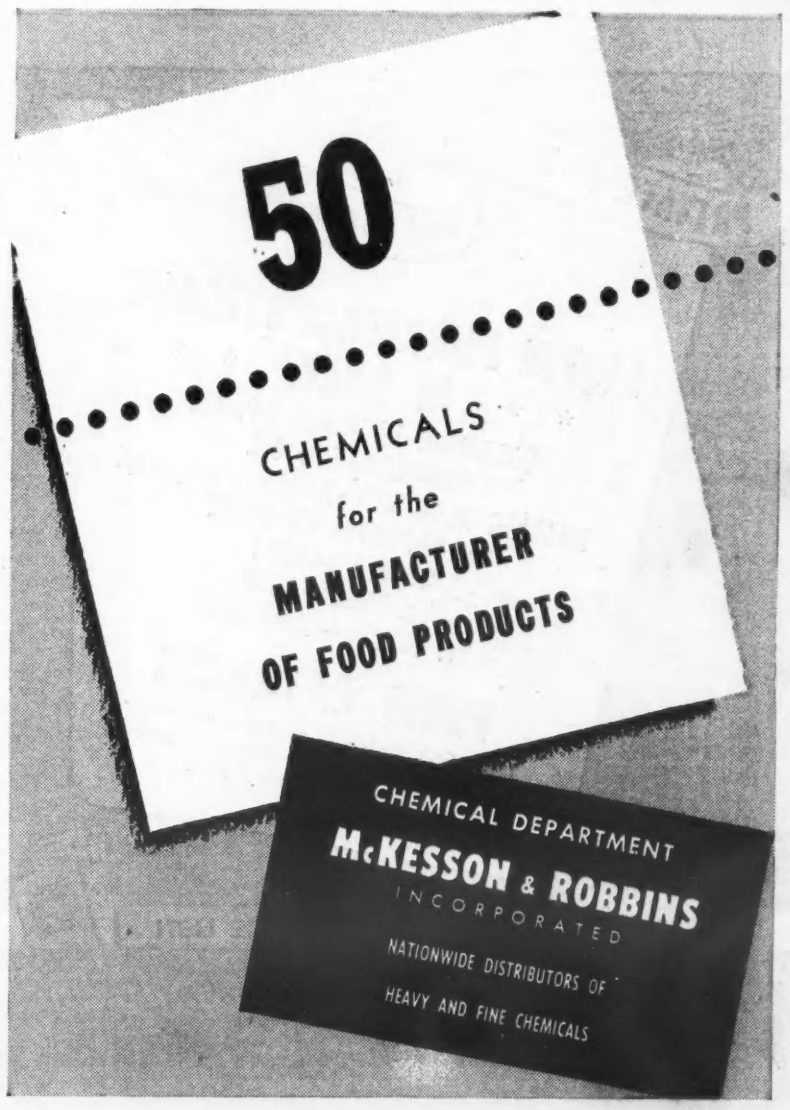

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fact, if anything, there seemed to have been an almost imperceptible easing this past week with most traders devoting a large part of their time and personnel to attempts to adjust their price lines to OPS ceiling regulations. Supplies were more than adequate and were expected to continue so for the time being.

Milk Powder—This past week saw a drop of ¼c. per pound for both spray and roller dried non-fat milk solids. Prevailing prices for the former ranged from 15¼c. to 17¾c. per pound, while those for the latter ranged from 13¼c. to 16¾c. per pound in carlots.

The market in skimmed milk powder was unsettled with the demand fair to good. Supplies have shown an increase and were freely offered.

Demand for dry whole milk was fair to good for the season, the market being steady. Supplie were ample. Occasional lots of imported Holland, 26 percent butterfat milk were sold at 33c. to 35c. per pound. Domestic spray processed whole milk ranged from 35½c. to 44¾c. per pound. There were no prices reported for roller dried milk due to the lack of market activity.

Announced purchases for the week ending May 24, 1951, by the United States Department of Agriculture consisted of 1,146,815 pounds of spray dried skimmed milk, bringing total purchases by the department so far this year to 5,063,735 pounds, while total purchases of roller processed material amount to 176,000 pounds for the same period.

USDA domestic sales reported last week consisted of 709,000 pounds of the roller material. Total sales this year of both roller and spray material comprise some 44,000,000 pounds to date.

Molasses—Maintaining a trend which has prevailed for the past several weeks, demand for feed molasses in Gulf ports was slow last week against adequate supplies. On the East coast demand was moderate and on the West coast it was good. Supplies remained adequate in all cases.

Prices at New Orleans remained in a range from 33½c. to 34c. per gallon, a similar price range existed at Mobile. On the East coast, at Norfolk, prices ranged from 36½c. to 37c. per gallon; at Baltimore these prices prevailed, as was also true for New York.

Citrus molasses demand continued good, while supplies of same were limited. Prices showed a wide range according to location. At Lake Wales, 14.3c. per gallon was the prevailing price, while at Auburndale, the price ranged from 17.1c. to 20c. per gallon.

The May 15, 1951, Cuban Sugar Crop Progress report from the Cuban Sugar Stabilization Institute showed a molasses production to that date of 273,900,000 gallons, a substantial increase from the 252,000,000 gallons yield for the same period a year ago. There were expectations of a larger crop this year than last year, but the overall supply was definitely not anticipated to be long due to several factors.

Increased consumption by alcohol producers in this country was one of the most important factors. Also to be considered were the facts that Cuba was expected to set aside a large amount of her crop for domestic usage and that Cuba had entered 1951 without sufficient inventories to fulfill her 1950 contracts.

Nicotinic Acid—Demand was reported to be extremely good for this important feed supplement. Supplies were very tight and were expected to remain so for some time to come. Prices currently quoted ranged from $9 to $9.30 per kilogram.

Sugar—The United States Department of Agriculture announced May 24, 1951, that primary sugar distribution for the week ending May 19, 1951, totaled 361,137 short tons, raw value. This was a considerable increase over the preceding week's distribution figure of 232,142 tons, same basis.

Total primary distribution for civilian and military usage from January 1 to May 19, 1951, amounted to 2,963,930 short tons, raw value, as compared with the 2,673,128 tons distributed during the corresponding period of 1950.

The U. S. Department of Agriculture announced on May 31, 1951, a change in sugar export licensing policy, made in co-

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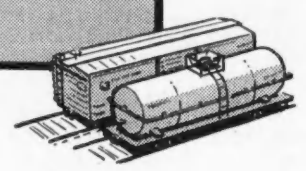
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operation with the Department of Commerce, to provide further protection of sugar supplies needed in the domestic market.

During the period May 31 through September 30 export license applications for any one country for quantities totaling more than 135 tons of sugar will be approved only upon certification that the sugar to be exported is foreign world sugar imported under bond for refining and re-export. Reasonable quantities of "quota" sugar not exceeding 135 tons will be licensed for export only to countries normally importing sugar from the United States. ("Quota" sugar is domestically produced sugar or sugar imported for consumption under the Sugar Act of 1948).

Department officials stated today that this further tightening of the export license requirements has been necessitated because previous restrictions had not been sufficiently effective.

Sulphur Flowers—Along with the general acute scarcity of sulphur demand for flowers of sulphur was quite good with the supply tight. Prices at the mines in bags were quoted at $3.60 per 100 pounds while in barrels the price was $4.75 per 100 pounds.

Thiocarbanilide—Latest reports indicated last week that there had been no essential change from the active demand which has characterized this market in the past. The expansion of the synthetic rubber program was expected to contribute materially to a continued strong demand for this and other rubber accelerators. Supplies were short and were expected to continue so, at least for the immediate future, barring any significant slackening of demand. Since there has been no great decline in rate of production of pleasure automobiles, the overall effect will most likely keep rubber chemicals along with rubber itself in tight supply. Prices currently in effect ranged from 44c. to 51c. per pound.

Thiourea—In a similar position as thiocarbanilide, thiourea was reported to be in tight supply last week. Its usage as an intermediate in pharmaceutical manufacture and more importantly in the manufacture of vulcanization accelerators has resulted in a strong demand. It was felt in some quarters that any easing in the immediate future was not likely. Prices were maintained at ceiling schedules.

Undecylenic Acid—Despite the current short supply of castor oil, it has not effected to a great extent the availability of undecylenic acid. At last reports there seemed to be enough to take care of practically everyone. As for its salts, copper and zinc, the demand was reported to be moderate, with supplies adequate. The rather slow demand for copper undecylenate was attributed, by some sources, to its replacement in some medications by cheaper substitutes.

The drum price currently quoted for the acid was $1.40 per pound, while copper and zinc undecylenate was quoted at $2.90 to $3 per pound for the former, while the latter was priced at $2.25 per pound.

Antara Sales Staff and General Aniline Scientists Meet Today

A combined meeting of the sales staff of Antara Products, division of General Dyestuff Corporation, New York, and the technical personnel of the central research laboratories, General Aniline & Film Corporation, will be held in Easton, Pa., today, June 4. Antara products handles the sales and technical service of all chemical and allied products made by General Aniline Works Division of General Aniline & Film. Principal speaker at the meeting will be Harold G. Shelton, Antara general manager.

Trade Briefs

Geer Drug Company, Spartanburg, S. C., has opened a new warehouse there.

Willson Products, Inc., Reading, Pa., has named Thomas A. Willson, jr., as vice-president.

Table Rock Laboratories, Inc., Greenville, S. C., has appointed C. W. Bell president and general manager.

Abbott Laboratories, Chicago, was host to 677 seniors from nine schools of pharmacy during the first half of 1951.

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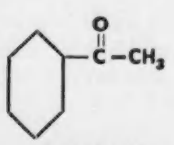

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General Mills Expands Resinous Alcohol Line

"Resinous Alcohol-8," a new compound that combines the properties of a plasticizer and a resin, has been announced by General Mills Research Laboratories, Minneapolis, Minn. It is the youngest member of General Mills' resinous alcohol family, first reported to the protective coating industry in September, 1950. General Mills claims that it will effectively plasticize nitrocellulose lacquer films and at the same time improve their adhesive qualities.

In controlled tests made by the company's research laboratories, nitrocellulose lacquers containing "Resinous Alcohol-8" produced hard, flexible, water-resistant and alcohol-resistant films. These films on mahogany plywood survived more than ten, sixty-minute cold check cycles of 120 degrees to -20 degrees Fahrenheit. In overall performance, they were judged superior to the films of two standard nitrocellulose formulations used as controls.

"Resinous Alcohol-8" is a mixture of the mono-, di- and tri-glycerides of rosin and fatty acids and has a small number of free hydroxyl groups. It receives its resinous characteristics from the high ratio of rosin acids to fatty acids in its glycerides.

Physically it is a light-colored, viscous, non-crystallizing liquid. At temperatures below 100 degrees Centigrade, it is fluid enough to be pumped. The new compound is completely soluble in lacquer solvents. It is compatible, not only with nitrocellulose, but also with many other natural and synthetic resins and plastics and with most common lacquer plasticizers.

Because Resinous Alcohol-8 is relatively non-volatile and non-migratory, General Mills considers it a permanent plasticizing resin. It does not evaporate from nitrocellulose films as they age. It is now in pilot plant production. Drum quantities are available for evaluation and commercial use.

Van Dyk Names Kreps Chief Research Chemist

Dr. Saul Ian Kreps has been appointed chief research chemist of Van Dyk & Co., manufacturing chemists, Belleville, N. J. He was chief research chemist for United Merchants Laboratories, New York, where he directed and carried out research on the synthesis, production, and utilization of surface active materials. He was also research chemist for the Atlantic Refining Company, Philadelphia, where he initiated and conducted research on the production and utilization of various petroleum products. Recently he has been assistant professor of chemistry at the Newark (N. J.) College of Engineering.

Edwal Representative in N.Y.

Lester J. Perlman of the Edwal Laboratories, Inc., Ringwood, Ill., will be at the Commodore hotel, New York, this week (June 4) as sales representative for the company. This is the last regularly scheduled trip for a company representative until September.

Schenley Labs Appoints Three Vice-Presidents

Appointment of three new vice-presidents of Schenley Laboratories, New York, was announced May 29. They are Dr. Bruno Puetzer (research), James H. Noyes (Production), and Samuel Miller (Development). The laboratory, an affiliate of Schenley Industries, Inc., produces penicillin, streptomycin, and 105 other drug products.

Dr. Puetzer was formerly research director for the Vick Chemical Company, and joined Schenley Laboratories in 1949. Mr. Noyes has been plant manager for Schenley Laboratories since 1944. Mr. Miller has been advertising and sales promotion manager for Schenley Laboratories since 1946. Dr. Puetzer and Mr. Noyes will be located at he Lawrenceburg, Ind., plant and Mr. Miller in New York.

Argus Moves Plant

Argus Chemical Laboratory announces the removal of its plant, offices and laboratory to 633 Court street, Brooklyn, N. Y. The new site will enable Argus to triple its production of stabilizers and aluminum powder dispersions and to further its development of new products, several of which will be soon introduced. The new facilities include four laboratories, complete with mill room, glass blowing room and a comprehensive library. Argus Chemical was formed several years ago by Olga Knoepke, W. E. Leistner, and A. C. Hecker, following many years as chemists in the rubber and vinyl field.

Trade Briefs

Northam Warren Corporation, Stamford, Conn., has appointed Robert L. Polk vice-president in charge of the export division.

George S. McMillan, vice-president of Bristol-Myers Company, has been elected president of the Advertising Club of New York.

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FWDA Names Committees For September Meeting

Perry Shupert of Miles Laboratories has been named chairman of the convention committee for the thirty-sixth annual convention of the Federal Wholesale Druggists' Association, to be held at the Greenbrier, White Sulphur Springs, W. Va., September 9 through 12. Vice-chairman is George Estes of Gillette Safety Razor Company, and treasurer Rudy Neptun of New York Quinine & Chemical Works.

Other committee chairmen are John McPherrin, *American Druggist*, business program; Fred H. Ewald, Tampax, Inc., entertainment; Harley L. Knauer, William R. Warner & Co., golf; Robert Harris, The Toni Company, ladies; Hugh O'Malley, *Wholesale Drug Salesman*, publicity; J. Thomas Gibbons, The Seamless Rubber Company, reception; C M. Cypher, Burroughs Wellcome & Co., registration, R. B. Magnus, Magnus, Mabee & Reynard, Inc., transportation.

Wandell Joins Armour Labs

Francis A. Wandell has been appointed assistant manager of the international department of the Armour Laboratories, Chicago. Mr. Wandell formerly headed the purchasing department of J. T. Baker Chemical Company. His prior affiliation was with E. R. Squibb & Sons, as director of purchases and in other executive positions.

Kodak Offers 20 Fellowships

A total of twenty Eastman Kodak Company fellowships for advanced studies in chemistry, physics, and chemical engineering have been offered to US educational institutions for the year 1951-52, the company has announced. Kodak's Tennessee Eastman Company division will sponsor five of the fellowships at educational institutions in the Southern states. The fellowships are for doctoral work. Each provides a stipend of $1,200 for one year in addition to payment of tuition and fees.

ACTH Being Made in Germany

Chemische Fabrik Promonta, Hamburg, is now producing ACTH on a commercial scale. The product, "Cortiphyson," is being used by German hospitals and physicians. Interested parties may obtain literature and samples from Henley & Co., 801 Second avenue, New York 17.

Baker Castor Oil Names St. Louis Representative

Sales of The Baker Castor Oil Company in St. Louis and immediate vicinity are now handled exclusively by Harry A. Baumstark & Co. of that city. A complete stock of Baker products will be warehoused at St. Louis by the new sales agent. The appointment took effect June 1.

Publicker Assigns Foy to N.Y.

John L. Foy, Philadelphia district sales supervisor of Publicker Industries Inc., has been promoted to sales supervisor of the metropolitan New York market. Except for navy service in World War II, Mr. Foy has been with Publicker since 1931. He started as a messenger boy, has been in the sales department for the past fifteen years.

Illinois University Starts Building Experiment Station

The University of Illinois has started construction on its new Drug and Horticultural Experiment Station, located near Lisle, Ill., immediately East of the Morton Arboretum. An appropriation of $65,000 has been made available by the university's Board of Trustees for the erection of the greenhouse and service units of the Station, which will be used jointly by the Colleges of Pharmacy and Agriculture. Research at the experiment station eventually will involve plant chemistry, soil analysis, plant breeding, pathological studies of plants, and studies of insecticides, rodenticides, and fungicides.

Trade Briefs

Procter & Gamble's Southern California plant celebrated its twentieth anniversary May 17, with the presentation of twenty-year pins to eighty-five of its original staff.

Martin-Senour Company, Chicago, was awarded a first prize for its new magnetic color bar May 17 at the ninth annual awards competition dinner of the Chicago Federated Advertising Club.

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Whale, Sperm Oil 1950-51 Production Reported Lower

Combined production of whale and sperm oil from the 1950-51 Antarctic catch is estimated at 401,050 short tons, or slightly less than the 404,390 tons produced during the previous season, according to Einar Jensen, agricultural attache, American Embassy, Oslo. These data, provisional, were obtained from the International Whaling Commission, Sandefjord.

Total whale oil output decreased from 378,650 tons in 1949-50 to 355,560 tons in 1950-51. Sperm oil production, however, amounted to 45,490 tons and represented an increase of 77 percent from last year.

The season began December 22, 1950, and closed March 9, 1951, when the limit of 16,000 blue-whale units presumably was reached. The season of seventy-seven days was the shortest on record and was completed twenty-nine days before the originally-scheduled closing date of April 7. The 1949-50 season lasted eighty-five days and the 1948-49 season 102 days.

Nineteen expeditions participated in the Antarctic operations this season. The Panamanian entry was the newcomer to the field, which included ten Norwegian expeditions, three British, two Japanese, and one each from South Africa, the Soviet Union, and the Netherlands.

McKesson Names Two

McKesson & Robbins, New York, has promoted John W. McQuiston from assistant manager to manager of the Birmingham, Ala., division and Dan M. Donaldson from assistant division manager and sales manager to division manager and sales manager of the Amarillo, Tex., division. Mr. McQuiston, who succeeds J. C. O'Dell, resigned, has been with McKesson since 1926. Mr. Donaldson has been with the company since 1929.

Chemical Patents Available

Descriptions of seventeen patents and one application for a patent owned by the government and held by the Atomic Energy Commission have been transmitted to the Patent Office for registry and listing in the official register of patents. The commission will grant non-exclusive royalty free licenses on the patents, it was announced, as part of its program to make non-secret technological information available for use by industry.

The list includes inventions in the field of general chemistry, involving improved methods and equipment for production of fluorine, fluorocarbon compounds, fluorination of lubricating oils, new processes for the production of uranium compounds, such as the hydride, carbide, trichloride and hexafluoride, as well as other halides and alkali metal borohydride and compounds.

Gaseous Electronics Meeting In Schenectady October 4-6

The fourth conference on gaseous electronics, sponsored by the division of electron physics of the American Physical Society, will meet October 4 to 6 in Schenectady, N. Y., it has been announced. Sessions will be held at the General Electric Research Laboratory, in the new buildings at the Knolls, which were formally dedicated last Autumn.

The program, now being arranged will include invited and contributed papers pertaining to the fundamental physics of gas discharges. Full information may be obtained from the secretary of the conference, Dr. James D. Cobine, G-E Research Laboratory, P. O. Box 1088, Schenectady, N. Y.

SK&F Opens Phila. Warehouse

Smith, Kline & French, Inc., affiliate of Smith, Kline & French Laboratories, officially opened a new Philadelphia warehouse of medical and first aid supplies May 23 at 1011 Butler street. Highpoint of the ceremonies was an award by Stanley W. Cousely, vice-president of the Chamber of Commerce of Greater Philadelphia, of a certificate which commended the company "for its foresight" in the construction of the additional facilities.

Trade Briefs

W. T. Stevenson, formerly executive vice-president of Texas Gas Transmission Corporation, has been elected president of the company to succeed J. H. Hillman, jr.

Rudy P. Neptun, vice-president of the New York Quinine & Chemical Works, has been appointed treasurer of the manufacturers section of the Federal Wholesale Druggists' Association.

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Peanut 1950 World Output Now Seen 2 Percent Lower

World peanut production in 1950, estimated at 10,300,000 short tons of nuts in the shell, is down about 2 percent from the postwar average and 600,000 tons below the 1949 output, according to the latest information available to the Office of Foreign Agricultural Relations.

Forecasts earlier in the season had indicated the possibility of a record world peanut crop in 1950. As the season advanced, however, it became evident that the declining prospects in India and Africa precluded this possibility. The loss in India was particularly severe.

In addition, significant declines were reported in French West Africa, Nigeria, Indonesia, Brazil, and a number of minor producing countries. Some of the loss, however, was counteracted by an estimated increase in China and reported gains in the United States and a few minor producing countries.

Hercules Names Burt

Leland H. Burt has been named supervisor, product development, for the cellulose products department of Hercules Powder Company, Wilmington, Del. He has been supervisor of CMC development for the past two years. In his new position, Mr. Burt will devote his efforts to various water soluble products, including cellulose gum (CMS), on which he has been specializing since joining Hercules in 1942.

Calco Issues Sulfa Booklet

The pharmaceutical department of Calco Chemical Division, American Cyanamid Company, Bound Brook, N. J., has issued a new technical bulletin (no. 727) entitled, "Recent Developments in Sulfa-Drug Therapy." The publication is divided into two main parts, dealing with mixed sulphas and sulfas combined with penicillin. Detailed therein are recent developments with complete bibliographies showing the basis for the textual information.

N-Bromosuccinimide Data Available

Arapahoe Chemicals, Inc., Boulder, Col., has published a complete and annotated booklet entitled, "NBS (N-Bromosuccinimide), Its Reactions and Uses." Written by Arapahoe's director of research, Thomas D. Waugh, the booklet contains 282 references in its bibliography, making it complete as of January 1, 1951. Major topics covered in the publication include substitution, dehydrogenation, addition, oxidation, and abnormal reactions of NBS; rearrangements, mechanisms and conditions; uses of NBS in introduction of double bonds, increasing chain length and proof of structure, and a section on special uses in the field of steroids. Single copies are available from Arapahoe by request on company letterhead.

Health Report Filed

A report relating to the health problems of the nation, which embodies the results of a year's study by experts assisting the subcommittee on health of the senate education and labor committee, was filed in the senate May 28. It is identified as senate report No. 359.

The report does not contain any recommendations on legislation that should be enacted, but seeks to establish the factual basis on the nation's health on which legislation might be based. It is the result of the fight over socialized medicine that has stymied practically all health legislation. The study was made under the direction of Dr. Dean A. Clark, director of the Massachusetts General Hospital.

Arner Promotes Zimmer

Carlton F. Zimmer, chief control chemist for Arner Company, has been appointed technical director by the Buffalo, N. Y., pharmaceutical manufacturing concern. He will be in charge of production, planning and scheduling for Arner's Buffalo and Ft. Erie plants.

Trade Briefs

Charles S. Downs, vice-president and director of advertising of Abbott Laboratories, Chicago, has been named general chairman of the 1951 Direct Mail Advertising Association conference to be held in Milwaukee, Wis., October 17 through 19.

Dr. Ivor Griffith, who has just completed his tenth year as president of the Philadelphia College of Pharmacy and Science, was honored recently at the annual spring alumni reunion dinner of the College at The Down Town Club, Philadelphia.

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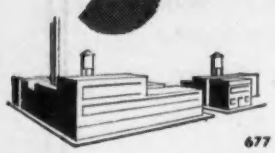

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Reprinted from Drug Trade News, February 5, 1951

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Aldrin Application in Iran Effective for Locust Control

Official word has been received concerning the results of the locust control campaign recently undertaken in Iran with aldrin manufactured by Julius Hyman & Co., Denver, Col. The aldrin was shipped from Denver to Iran early in April and was accompanied by American technicians and several small planes that were used for insecticide application.

The grasshoppers ranged from newly hatched nymphs into the third and fourth instar stages of development. High kill of even the oldest nymphs was reported at 95 percent or better within twenty-four to forty-eight hours, and feeding ceased within a matter of minutes after application of spray. In the first application aldrin was used at the rate of three ounces per acre but was later cut back to two ounces, standard dosage recommended in the United States.

Medical Librarians Plan October 6 Meeting in Chicago

Medical, hospital and pharmaceutical librarians from five states will meet at Abbott Laboratories, Chicago, on October 6, for the 1951 session of the midwest division of the Medical Library Association. States represented will be Michigan, Indiana, Illinois, Wisconsin and Minnesota. About 100 librarians will be present.

Speakers will be Marguerite Prime, librarian of the American College of Surgeons; H. H. Henkle, John Crerar library; Wilma Troxel, University of Illinois Library of Medical Sciences; Gertrude Minsk, University of Chicago Bio-Medical Libraries; Edith Dernehl, Marquette University School of Medicine; Thomas E. Keys, Mayo Clinic librarian; Louise Lage, assistant librarian of Lilly Research Laboratories, and Edith Joannes, associate librarian of Abbott Laboratories.

Schering Award Presented

Schering Corporation, Bloomfield and Union, N. J., announced last week that the Schering Award for 1950 has been won by Dr. S. I. Griboff, now serving his interneship at Mt. Sinai Hospital, New York. The award, a check for $1,000, was presented to Dr. Griboff for his paper on "The Clinical Use of Steroid Hormones in Cancer."

APC Expands Facilities

American Pharmaceutical Company announces the acquisition of a six-story building, located at 120 Bruckner boulevard, New York. Manufacturing, research and product development facilities will be greatly enlarged. The offices, laboratories, manufacturing operations and shipping departments will be transferred to the new location, as soon as alterations are finished. It is expected that this project will be completed by late August, 1951.

Hydrogen Peroxide Data Published by Pennsalt

Pennsylvania Salt Manufacturing Company, Philadelphia, has issued a new bulletin on hydrogen peroxide, written in non-technical language, to meet the requirements of plant foremen and workers and for those considering using it for the first time. The bulletin is available from Pennsalt Chemicals, Industrial Chemica s Department, 1000 Widener Building, Philadelphia 7.

ASQC Honors Brumbaugh

The Shewhart Medal for outstanding service and leadership in the field of quality control was awarded to Dr. Martin A. Brumbaugh, director of statistics at Bristol Laboratories, Inc., Syracuse, N. Y., at the recent convention of the American Society for Quality Control in Cleveland.

Dr. Brumbaugh is a founder of the American Society for Quality Control and at this time is first vice-president of the group. It will hold its 1952 convention in Syracuse in Dr. Brumbaugh's honor.

Pharmacology Seminar Planned

A teachers seminar on pharmacology and related subjects will be held by the American Association of Colleges of Pharmacy at the Purdue University School of Pharmacy, Lafayette, Ind., July 9 to 14.

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CROSSETT, ARKANSAS

Fertilizer Subsection Added To National Safety Council

A. B. Pettit of the Davison Chemical Corporation, Baltimore, Md., has been elected general chairman of the newly created fertilizer subsection of the chemical section of the National Safety Council. Other officers elected are J. S. Fields, Phillips Chemical Company, Bartlesville, Okla., vice-chairman, and J. E. Smith, Spencer Chemical Company, Pittsburgh, Kans., secretary-treasurer.

An advisory committee to the subsection consists of J. M. Sisson, Tennessee Valley Authority, Wilson Dam, Ala.; H. R. Krueger, Phillips Chemical Company; M. F. Wharton, Arizona Fertilizers, Inc., Phoenix, Ariz., and R. L. Hugg, International Minerals & Chemical Corporation, Chicago.

Castor Oil Exports Allocated By India on a Quota Basis

India is allocating exports of castor oil on the basis of past exports. Twenty-five percent of commitments outstanding in March, 1951, will be allowed to be shipped up to the end of June. For the period July to September, exports will be allowed on a quota basis, which will be equal to 25 percent of the quantity exported by each shipper during the period April, 1950, to March, 1951.

Croft Joins BLM

Dr. Albert E. Croft, who has served as economic adviser to underdeveloped countries in the Orient, Europe and the Balkans, has been appointed agricultural economist in the Bureau of Land Management's division of land planning, Secretary of the Interior Oscar L. Chapman announced today.

Plaskon Shifts Wynocker

The Plaskon Division of Libbey-Owens-Ford Glass Company, Toledo, Ohio, has announced that Donald O. Wynocker has been named to assist Charles Walker in a newly expanded sales area for the company's glues and industrial resins. Mr. Wynocker will assist in covering the latter's present territory of Ohio, Michigan and Indiana, which will be extended to include Pennsylvania, New York and the New England states. Associated with the Plaskon Division since 1943, Mr. Wynocker has been employed in both the research and technical service departments of the division, concerning himself with glues and industrial resins.

Tenn. Eastman Names Agent

Tennessee Eastman Company's chemical sales division has appointed John Bernard Thompson, jr., sales representative in charge of the company's recently opened office in the State National Building, Houston, Tex. Mr. Thompson will represent Tennessee Eastman in the sale of its industrial and food grade chemicals.

AATCC Council to Meet

The American Association of Textile Chemists and Colorists will hold its next council meeting June 15 at the New Yorker hotel, New York.

Trade Briefs

R. F. Wilson has been promoted to assistant manager of the St. Joseph, Mo., sales field of Standard Oil Company (Indiana) to succeed J. A. Pearson, who has been transferred to other duties.

Socony-Vacuum Oil Company, New York, has awarded $2,000 to Yale University, New Haven, Conn., for continuation of a fellowship in chemistry during the period from September 1, 1951, to July 1, 1952.

Harry A. Kieselbach, general manager of the insulation department for Johns-Manville Sales Corporation until his recent retirement, has been retained as technical consultant to the Magnesia Insulation Manufacturers Association. Mr. Kieselbach had served as chairman of the association's technical committee since it was formed in 1945.

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ACETIC ACID—26 dms, Rotterdam
ALOE—28 cs, S B Penick & Co, Port Elizabeth
50 cs, Curacao
ALIPHATIC NITRILE—4 kgs, D C Andrews, Southampton
AMIDOPYRINE—2 cs, The Avia Co, Bremen
AMMONIUM CHLORIDE—500 bgs, N Y Hanseatic Corp, Antwerp
35 dms, Chemical Manufacturing Co, Liverpool
500 bgs, Chemical Manufacturing Co, Liverpool
FLUORIDE—6 bbls, Merchants Bank of N Y, Antwerp
ANILIN DYES—817 dms, Heemsoth Kerner, Liverpool
2 cs, Heemsoth Kerner, Liverpool
168 dms, Fallek Products Co, Liverpool
30 dms, Goigy Co, Havre
1 cs, Goigy Co, Havre
16 cks, Francolor Inc, Havre
9 dms, Carbic Colour & Chemical Co, Havre
6 dms, Irving Trust Co, Liverpool
3 dms, Ciba Co, Liverpool
ANTIMONY ORE—360 bgs, Philipp Bros, Callao
963 bgs, Metal Transport Corp, Antofagasta
715 bgs, C Tennant & Sons, Antofagasta
ARABIC GUM—100 bgs, J F Trinkaus, Lagos
1,016 bgs, Thurston & Braidich, Port Sudan
504 bgs, H Heide, Port Sudan
250 bgs, Dodwell & Co, Port Sudan
ARGOLS—436 bgs, Tartaric Raw Materials Inc, San Antonio
ASBESTOS FIBER—823 bgs, Johns Manville, Fremantle
178 bgs, Bank of New South Wales, Fremantle
506 bgs, George Wills, Durban
1,397 bgs, Norca Corp, Durban
4,100 bgs, Union Asbestos & Rubber Co, Lourenco Marques
1,000 bgs, Johns Manville, Lourenco Marques
322 bgs, Colombian Development Co, Durban
BALSAM—4 dms, Cristobal
1 dm, Norwich Pharmacy Co, Kobe
BARAKE SEED—1 bg, Sahadi Import Co, Beirut
BARIUM CHLORIDE—63 bbls, J H Schroder, Antwerp
BEESWAX—59 bgs, Commercial Banking of Boston, Sydney
164 bgs, W R Grace, San Antonio
175 blks, Chase National Bank, Djibouti
49 bgs, Havana
10 bgs, General Import Distributors, Havana
22 bgs, Will & Baumer Candle Co, Havana
47 bgs, Strahl & Pitsch, Puerto Barrios
BENZOL—55 dms, D W Hickey, Antwerp
BENZOYL CHLORIDE—3 cs, Liverpool
BERYL ORE—440 bgs, Metals & Minerals Inc, Walvis Bay
BETANAPHTHOL—74 dms, D W Hickey, Antwerp
BISODIUM PHOSPHATE—300 bgs, Riches Nelson Inc, Antwerp
BOIS DE ROSE OIL—85 dms, Lo Curto & Funk, Rio de Janeiro
BONE MEAL—1,500 bgs, Transatlantic Animal By-Products Corp, Antwerp
BROOM ROOT—1,019 bls, Vera Cruz
BRUCINE—17 cs, Lo Curto & Funk, Glasgow
BUTANEDIAL—237 dms, General Aniline Works, Amsterdam
BUTTONLAC — 100 bgs, Gillespie Rogers Pyatt, Calcutta
50 bgs, Colony Import & Export Co, Calcutta
100 bgs, Mac Lac Co, Calcutta
CADMIUM METAL—5 dms, Neo Smelting & Refining Co, Rotterdam
CALCIUM CARBONATE—1,250 bgs, Van Oppen & Co, Dunkirk
CAMPHOR OIL—25 dms, Dodge & Olcott, Keelung
32 dms, Orbis Products Corp, Keelung
POWDER—100 cs, United Global Corp, Keelung
300 cs, F H Lenway, Keelung
100 cs, Irving Trust Co, Keelung
300 cs, Prentiss Drug & Chemical Co, Keelung
CARAWAY SEED—100 bgs, Louis Furth, Rotterdam
CARDAMON, DECORTICATED—26 cs, P H Petry, Puerto Barrios
42 cs, W E Martin, Puerto Barrios
CASEIN—200 bgs, Melbourne
286 bgs, G Lippelgoes, Rotterdam
1,050 bgs, The Champion Paper & Fibre Co, Rotterdam
CASSIA—100 bls, Becker Mayer Seed Co, Hong Kong
CASTOR BEANS—801 bgs, American Continental Co, Copenhagen
OIL—60 dms, C Tennant Sons, Buenos Aires
135 tons, Western Cotton Oil Co, Santos
281 tons, Brasil Export Corp, Santos
511 dms, Hardesty Chemical Co, Bombay
CAUSTIC SODA—176 dms, Dalton Cooper, Rotterdam
825 dms, Ein Chemical Corp, Dunkirk
CELERY SEED—170 bgs, Otto Gerdau, Bombay
CINCHONA BARK—146 bgs, Merck & Co, Limon
PRODUCTS—21 cs, Guaranty Trust Co, Rotterdam
CINEOL—3 dms, Chemical Bank & Trust Co, Sydney
CINNAMON QUILLS—180 bls, Volkart Bros, Colombo
250 bls, Louis Furth, Colombo
CITRONELLA OIL—17 dms, Dodge & Olcott, Puerto Barrios
4 dms, Expedo Corp, Hong Kong
30 dms, Lo Curto & Funk, Puerto Barrios
10 dms, Fritzsche Bros, Puerto Barrios
29 dms, Givaudan-Delawanna, Puerto Barrios
CIVET—9 cs, Djibouti
CLOVES—230 bgs, A G Dunn, Durban
COALTAR DYES—1 dm, Hudson Shipping Co, Amsterdam
31 dms, Hensel Bruckmann, Rotterdam
20 cans, C A Haynes, Rotterdam
1 dm, E I Dupont de Nemours, Havana
COCONUT OIL—820 tons, E F Drew, Cebu
750 tons, Cebu
250 tons, Pacific Vegetable Oil Corp, Zamboanga
CODLIVER OIL—38 dms, Hull
COPAL GUM—500 bgs, Internatio Rotterdam Inc, Matadi
120 bgs, W H Scheel, Manila
32 bkts, Commercial National Bank, Macassar
160 bkts, Macassar
COTTON LINTERS—30 bls, Kauders Steuber, Rio de Janeiro
CRESOL—9 dms, Republic Chemical Co, Vera Cruz
CRESYLIC ACID—100 dms, Bank of New South Wales, Sydney
99 dms, Washine National Sands Inc, Middlesbrough
50 dms, Riches Nelson Inc, Middlesbrough
100 dms, J E Fox, Middlesbrough
425 dms, Philipp Bros Chemical Co, Middlesbrough
200 dms, Glasgow
100 dms, Liverpool
2 dms, American Cyanamid Co, Liverpool
CUMINSEED—96 bgs, Beirut
100 bgs, American Sales Corp, Beirut
200 bgs, D Hecht, Beirut
DAMMAR GUM—210 bgs, Wm H Scheel, Singapore
128 bgs, S Winterbourne, Singapore
DERRIS ROOT—282 bgs, Merck & Co, Puerto Barrios
POWDER—72 cs, Joosten & Janssen, Surabaya
DIGITALIS—66 cs, J L Hopkins & Co, Rotterdam
DIMETHYLBENZENE—1 dm, Kodak Park Works, Rotterdam
DISODIUM PHOSPHATE—10 tons, Alfred A Freudenheim, Antwerp
DEXTRIN—99 tons, Sembodja Corp, Rotterdam
EPSOM SALT—620 bgs, Purepac Corp, Hamburg
400 bgs, Inn's Speiden, Bremen
ETHYLENE—2 cbys, Samagama Electric Co, Bremen
EUCALYPTUS EXTRACT—3,111 bgs, Bank of New South Wales, Fremantle
OIL—6 dms, Trubek Laboratories Inc, Santos
47 dms, Alicante
FENNEL SEED—97 bgs, Beirut
FERTILIZER—14 bls, Chase National Bank, Sydney
FISH MEAL—1,800 bgs, Albumina Supply Co, Callao
1,824 bgs, Albumina Supply Co, Chimbote
OIL—17 dms, Collett Week Nibecker, Valparaiso
FORMALDEHYDE—25 dms, Rotterdam
FUEL OIL—66,770 bbls, Asiatic Petroleum Co, Curacao
108,681 bbls, Mexican Petroleum Co, Punta Cardon
200,839 bbls, Esso Standard Oil Co, Amuay Bay
104,585 bbls, Hess Inc, Curacao
55,961 bbls, Royal Petroleum Co, Punta Cardon
105,453 bbls, Esso Export Co, Puerto La Cruz
280,000 bbls, Esso Export Co, Aruba
GALL, OX—10 dms, Pellew Wilson, Melbourne
8 dms, Perry Ryer Co, Copenhagen
GELATIN—135 bgs, Transatlantic Animal By-Products Corp, Port Elizabeth
74 bls, Transatlantic Animal By-Products Corp, Rotterdam
GINGER ROOT—200 bgs, Superintendence Co, Monrovia
180 bgs, Kelleys America Ltd, Monrovia
90 bgs, S B Penick & Co, Monrovia
866 bgs, Otto Gerdau, Monrovia
190 bgs, Frame & Co, Monrovia
158 bgs, Dodge & Olcott, Lagos
497 bgs, Wm E Martin, Lagos
9 bgs, Republic Engineering Co, Accra
GLANDS—104 cs, Intern Packers Commercial Co, Melbourne
80 cs, Phila National Bank, Melbourne
GLUE—230 bgs, Sembodja Corp, Buenos Aires
227 bgs, Sembodja Corp, Montevideo
STOCK—188 bgs, Karr Ellis, Liverpool
96 bls, Peter Cooper Corp, Havana
53 bls, J Gorvers, Mollendo
GLYCERIN—21 dms, Intern Packers Commercial Co, Sydney
34 dms, R P Casado, Havana
40 dms, Corn Exchange Bank, Rotterdam
35 dms, Rohner Gehrig, Rotterdam
GRAPHITE—250 bgs, C Pettinos, Durban
100 bgs, National City Bank, Havre
1,000 bgs, J Dixon, Colombo
250 bgs, Charles Pettino, Colombo
GYPSUM—16,985 tons, U S Gypsum Co, Hantsport
4,555 tons, Newark Plaster Co, Walton
HOOF MEAL—438 bgs, Wessel Duval, Buenos Aires
IPECAC ROOT—20 bgs, N Y Trust Co, Panama
5 bgs, Prentiss Drug & Chemical Co, Panama
IRON OXIDE—600 bgs, Transatlantic Pigment Co, Bremen
2,680 bgs, T H Deutz, Bremen
1,320 bgs, Reichard Coulston, Bremen
870 bgs, C J Osborn, Malaga
870 bgs, C B Chrystal, Malaga
334 bgs, National Color Co, Malaga
12 bbls, Aviquipo Inc, Malaga
3 cs, N R Hitchcock, Malaga
JALAP ROOT—14 bgs, Vera Cruz
KOLA NUTS—528 bgs, D Steengrafe, Lagos
42 bgs, Newtown Jackson & Co, Lagos
260 bgs, John Holt, Accra
LABDANUM GUM—9 cs, Alicante
LEMONGRASS OIL—10 dms, Fritzsche Bros, Puerto Barrios
8 dms, Maywood Chemical Works, Puerto Barrios
LIVER MEAL — 547 bgs, Wessel Duval, Buenos Aires
LOCUSTBEAN GUM—805 bgs, Guaranty Trust Co, Rotterdam
70 dms, Guaranty Trust Co, Rotterdam
100 bgs, Laranca
600 bgs, Genoa
MACE—124 cs, Catz American Co, Macassar
MAGNESIUM CARBONATE—50 cs, Genoa
MANGANESE DIOXIDE—1 cs, Havre
MANGROVE BARK—1,550 bgs, Kawnitz O'Brien, Lourenco Marques
MARJORAM—86 bgs, W R Grace, Arica
MENTHOL—50 cs, Rudolph Desco, Santos
38 cs, Paul Dunkel, Rio de Janeiro
9 cs, Volkart Bros, Rio de Janeiro
435 cs, Brown & Williamson, Santos
351 cs, Vick Chemical Co, Santos
75 cs, Enco Chemical Corp, Santos
50 cs, Eli Lilly, Santos
MONTAN WAX—200 bgs, Innis Speiden, Hamburg
MUSTARD SEED—189 bgs, W R Grace, Valparaiso
NAPHTHALENE—465 bgs, Charles Page, Rotterdam
360 bgs, General Aniline Works, Antwerp
1,180 bgs, Riches Nelson Inc, Antwerp
NEATSFOOT OIL—64 dms, Intern Packers Commercial Co, Sydney
24 dms, Intern Packers Commerical Co, Brisbane
NICKEL SULPHATE—37 cks, Bremen
NUTMEGS—107 bgs, Catz American Co, Macassar
26 bgs, Chemical Bank & Trust Co, Macassar
32 bgs, Bank of Manhattan Co, Macassar
NUX VOMICA—400 bgs, Volkart Bros, Cochin
OLIVE OIL—50 dms, C Orlando, Palermo
SEED FLOUR—3 bgs, Merck & Co, Puerto Barrios
ORANGE OIL—54 dms, Ungerer & Co, Monrovia
23 dms, Polaks Frutal Works, Monrovia
PALM OIL—2,531 tons, Balfour Guthrie, Matadi
1,379 dms, Anglo African Overseas Co, Monrovia
PALMAROSA OIL—2 pots, Volkart Bros, Bombay
PAPAIN—14 cs, S B Penick & Co, Colombo
53 chests, C L Huisking, Colombo
PAPRIKA—150 bgs, A A Sayia, Alicante
725 bgs, Alicante
PATCHOULI OIL—2 cs, Magnus, Mabee & Reynard, Penang
PEATMOSS—1,168 bls, Premier Peatmoss Corp, Bremen
1,400 bls, E J Lang, Bremen
622 bls, Lewis Intern Corp, Bremen
100 bls, C Gastmeyer, Rotterdam
575 bls, Bruco Peatmoss Corp, Bremen
350 bls, E J Lang, Bremen
150 bls, J E Bernard, Bremen
450 bls, Bremen
PELLITORY ROOT—40 bgs, S B Penick & Co, Casablanca
PEPPER, BLACK—160 bgs, Virchand Panachand, Cochin
160 bgs, Peter Commercial Corp, Alleppey
80 bgs, Joensson & Cross, Alleppey
160 bgs, A C Israel, Alleppey
80 bgs, R T French, Alleppey
160 bgs, A G Dunn, Alleppey
80 bgs, Internatio-Rotterdam Inc, Alleppey
160 bgs, Otto Gerdau, Alleppey
320 bgs, M Golodetz, Alleppey
240 bgs, National City Bank, Cochin
245 bgs, M Golodetz, Cochin
240 bgs, East India Trading Co, Cochin
160 bgs, Mutual Spice Co, Cochin
80 bgs, Otto Gerdau, Cochin
180 bgs, Cochin
320 bgs, Mincing Trading Corp, Cochin
440 bgs, A G Dunn, Cochin
40 bgs, Sembodja Corp, Cochin
160 bgs, A C Israel, Cochin
240 bgs, Volkart Bros, Cochin
80 bgs, R T French, Cochin
320 bgs, A C Israel, Cochin
160 bgs, V Panachand, Cochin
480 bgs, Joensson & Cross, Cochin
RED—100 bgs, W M Allison, Iskenderun
WHITE—42 bgs, Otto Gerdau, Singapore
PETITGRAIN OIL—22 dms, Montevideo
27 dms, Lo Curto & Funk, Montevideo
PETROLEUM, CRUDE—429,746 bbls, Esso Standard Oil Co, Puerto La Cruz
204,677 bbls, California Oil Co, Sidon
206,205 bbls, Esso Standard Oil Co, Caripito
99,956 bbls, Socony Vacuum Oil Co, Puerto La Cruz
POLLACKLIVER OIL—20 dms, Vitamins Inc, Yokohama
POLYVINYL CHLORIDE—4,167 bgs, Alltransport Inc, Hamburg
POPPY SEED—400 bgs, Louis Furth, Rotterdam
POTASSIUM CARBONATE—108 bbls, F N S Corp, Rotterdam
CYANIDE—491 dms, E I Dupont de Nemours, Middlesbrough
101 dms, Liverpool
PRUSSIATE—40 bbls, Eastman Kodak, Antwerp
QUEBRACHO EXTRACT—1,800 bgs, Buenos Aires
QUICKSILVER—19 flks, Continental Lead Co, Vera Cruz
QUINOLIN—12 dms, J H Bauminger, Rotterdam
RHATANY ROOT—22 bls, Peek & Velsor Inc, Coquimbo
RESIN—1 cs, Heemsoth Kerner, Liverpool
RESINOIDS—2 cs, Bertrand Freres, Cannes
SABADILLA SEED—17 bgs, Wessel Duval, La Guaira
SAGE LEAVES—125 bgs, Alicante
SANDARAC GUM—5 bgs, J W Lyon, Casablanca
SASSAFRAS OIL—4 dms, The Givaudan Corp, Keelung
53 dms, Geismar & Co, Itajai
45 dms, Dodge & Olcott, Itajai
72 dms, National City Bank, Itajai
37 dms, Lo Curto & Funk, Itajai
SCHEELITE ORE—19 bgs, W H Muller, Rio de Janeiro
5 bgs, W R Grace, Mollendo
SEEDLAC—1,008 bgs, Bangkok
200 bgs, Mac-Lac Co, Bangkok
1,054 bgs, East Asiatic Co, Bangkok
500 bgs, Gillespie-Rogers-Pyatt, Bangkok
100 bgs, Wm Zinsser & Co Inc, Bangkok
450 bgs, C H Timm, Calcutta
250 bgs, Mantrose Co, Calcutta
400 bgs, Wm zinsser & Co, Inc, Calcutta
200 bgs, Haeuser Shellac Co, Calcutta
100 bgs, C Tennant & Sons, Calcutta
SELENIUM—1 cs, T B Smith, Yokohama
SESAME SEED—132 bgs, Cristobal
SHARKLIVER OIL—3 dms, Collett Week Nibecker, Oslo
20 dms, Vitamins, Inc, Yokohama
30 dms, Interocean Chemical & Minerals Corp, Nagoya
SHELLAC—1,450 bgs, Gillespie-Rogers-Pyatt, Calcutta
450 bgs, C H Timm, Calcutta
200 bgs, Colony Import & Export Co, Calcutta
250 bgs, Schwab Bros, Calcutta
950 bgs, Mantrose Co, Calcutta
50 bgs, Haeuser Shellac Co, Calcutta
386 bgs, Wm Zinsser & Co, Inc, Calcutta
WAX—14 bgs, Wm Zinsser & Co, Calcutta
SIENNA EARTH—200 bgs, Laranca
SILVER SULPHIDE—212 bgs, South American Minerals & Merchandise Corp, Antofagasta
SOAP BARK—1,346 bls, S B Penick & Co, San Antonio
SODA ASH—1,000 bgs, World Commerce Corp, Dunkirk
3,400 bgs, J E Bernard, Dunkirk
SODIUM BICARBONATE—2,062 bgs, Chemical Manufacturing Co, Middlesbrough
BISULPHITE—3 bxs, E I du Pont de Nemours, Bombay
CARBONATE——17,159 bgs, Chemical Manufacturing Co, Middlesbrough
CYANIDE—700 dms, Terra Chemicals, Inc, Rotterdam
FERROCYANIDE—2 jars, Van Oppen & Co, Liverpool
NITRITE—77 kgs, Chemical Bank & Trust Co, Dunkirk
150 dms, Millmaster Chemical Corp, Amsterdam
250 dms, Genoa
45 bbls, Parsons & Whittemore, Bremen
130 dms, Chemical Manufacturing Co, Middlesbrough
PHOSPHATE—250 bgs, Genoa
STICKLAC—2 bgs, Bradshaw Praeger, Calcutta
SULPHUR—3,622 bgs, Ilo
2 bgs, Texas Gulf Sulphur Co, Antofagasta
TALC—2,544 bgs, C Mathieu, Genoa
TANTALITE ORE—320 bgs, Philipp Bros, Matadi
TAPIOCA FLOUR—993 bgs, Internatio Rotterdam, Inc, Tjirebon
1,628 bgs, H P Winter, Tjirebon
1,000 bgs, Harry F Dolan Jr, Tjirebon
7,533 bgs, Geismar & Co, Itajai
250 bgs, Stein, Hall & Co, Tandiong Priok
2,000 bgs, Stein, Hall & Co, Bangkok
TARTARIC ACID—100 cs, Genoa
250 bbls, Wirth Products, Inc, Genoa
100 cks, Fallek Products, Inc, Genoa
100 cks, Fins Corp, Genoa
TEA WASTE—3,227 bgs, Maywood Chemical Works, Calcutta
TITANIUM ALUMINUM—26 dms, Niagara Falls Smelting & Refining Division, Liverpool
DIOXIDE—250 dms, Fallek Products Co, Kobe
100 bbls, Oceanic Commodities Co, Kobe
TRICHLOROETHYLENE—173 dms, Bankers Trust Co, Leghorn
TRISODIUM PHOSPHATE—50 bgs, Leviant & Co, Rouen
TUNG OIL—33 dms, C Tennant Sons, Buenos Aires
TUNGSTEN—165 cs, Continental Ore Corp, Vera Cruz
TRIOXIDE—6 bgs, Alltransport, Inc, Valparaiso
TUNU GUM—295 cs, L A Dreyfus, Cristobal
TURMERIC ROOT—80 bgs, Volkart Bros, Cochin
160 bgs, East India Trading Co, Cochin
160 bgs, Joensson & Cross, Cochin
80 bgs, Corn Exchange Bank, Cochin
240 bgs, Mincing Trading Corp, Alleppey
80 bgs, East India Trading Co, Alleppey
49 bgs, P Phillhardt, Alleppey
ULTRAMARINE BLUE—1,023 bgs, A V Berner, Hull
UMBER—500 bgs, Larnaca
UREA—600 bgs, American Cyanamid Co, Middlesbrough
1,000 bgs, Antwerp
2,000 bgs, N Y Hauseatic Corp, Rotterdam
VALONIA CUPS—3,088 bgs, Barkey Importing Co, Izmir
1,619 bgs, Olson Sales Agency, Izmir
VANILLA BEANS—50 cs, M Cortizas, Tampico
67 cs, G Jimenez, Vera Cruz
23 cs, Zinc & Triest, Tampico
19 cs, Havre
VEGETABLE OIL—25 dms, Balfour Guthrie, Puerto Barrios
WAX—112 bgs, Hans Tobeason, Rio de Janeiro
VINYL ACETATE—1,027 dms, Shawinigan Products Corp, Genoa
POLYMERIZED—29 bbls, American Union Transport & Lloyd Assoc, Bremen
WATTLE BARK—7,035 bls, Hammond & Carpenter, Durban
1,375 bls, Olson Sales Agency, Durban
WHITING—1,000 bgs, Landers Segal Color Co, Hull
1,344 bgs, Smith Chemical & Color Co, Hull
1,600 bgs, Pluess Staufer Inc, Antwerp
WITHERITE—11 tons, E I Dupont De Nemours, Hull
750 bgs, Enco Chemical Corp, Hull
WOLFRAM ORE—354 bgs, W R Grace, Mollendo
WOOL GREASE—27 dms, Robert Bryce, Melbourne
34 dms, Guaranty Trust Co, Fremantle
78 dms, Gallard Schlesinger, Antwerp
XYLENOL—100 dms, Liverpool
YACCA GUM—445 bgs, Commercial Bank of Australia, Adelaide
615 bgs, Bank of New York & Fifth Ave, Adelaide
YLANG YLANG EXTRACT—2 cks, Givaudan Co, Havre
YOHIMBIHI BARK—533 bgs, John Holt, Duala
ZINC CHLORIDE—73 dms, Bluefries N Y Inc, Antwerp
140 dms, Riches Nelson Inc, Antwerp
OXIDE—1,000 bgs, Vera Cruz
ZIRCONIUM HYDROXIDE—28 cks, F W Berk, Liverpool

Baltimore

BONEMEAL—2,136 bgs, Ralli Bros, Calcutta
500 bgs, American Agriculture Chemical Co, Calcutta
FISHMEAL—5,273 bgs, Wilbur Ellis, Capetown
IRON OXIDE—700 bgs, Alicante
MANGANESE ORE—5,000 tons E J Lavino, Takoradi
MAGNESIUM SILICOFLUORIDE—40 dms, The Davison Chemical Corp, Rotterdam
PEATMOSS—1,120 bls, New Amsterdam Import Co, Bremen
200 bls, Atkins & Durbrow, Bremen
1,911 bls, Premier Peatmoss Corp, Bremen
800 bls, Bruco Peatmoss Corp, Bremen
POTASSIUM MURIATE—8,100 tons, Synthetic Nitrogen Products Corp, Bremen
TAPIOCA FLOUR—750 bgs, American Key Products Inc, Bangkok
WATTLE BARK—3,300 bls, Hammond & Carpenter, Durban
1,105 bls, American Dyewood Co, Durban
VARNISH—2 cs, Bluefries N Y Inc, Rotterdam
VALONIA CUPS—2,180 bgs, Bank of New York, Izmir
3,150 bgs, Wessel Duval, Izmir

Boston

BONES—514 bgs, Buenos Aires
GUARANA CONCENTRATE—2 cs, Polar Co, Rio de Janeiro
GINGER ROOT—100 cks, Downer Hunnewell, Hong Kong
HOOFMEAL—721 bgs, Mearl Corp, Santos
2,222 bgs, Elbert & Co, Buenos Aires
1,030 bgs, Wessel Duval, Buenos Aires
HORN MEAL—834 bgs, Ashcraft Wilkenson, Santos
NAPHTHALENE—462 bgs, American Union Transport, Rotterdam
PAPRIKA—50 bgs, Alicante
TAPIOCA FLOUR—250 bgs, American Key Products Inc, Bangkok
UREA—1,325 bgs, National Shawmut Bank, Rotterdam

Jacksonville

TAPIOCA FLOUR—3,014 bgs, Stein Hall & Co, Tandjong Priok

Norfolk

GLUESTOCK—1,505 bls, W M Stone, Bremen
1,305 bls, Woodward & Dickerson, Bremen
MILK SUGAR—1,600 cts, Rotterdam
1,200 cs, J H Hobson Co, Rotterdam
PEATMOSS—400 bls, Bruco Peatmoss Corp, Bremen
1,300 bls, W M Stone, Bremen
600 bls, F J Lang, Bremen
POTASH—983 tons, Woodward & Dickerson, Bremen

Philadelphia

BONEMEAL—2,204 bgs, Corn Exchange Bank, Alexandria
CALCIUM CARBIDE—1,350 bgs, Guaranty Trust Corp, Antwerp
CASTOR OIL—585 dms, J P Morgan Co, Santos
CHROMITE—476 tons, Lourenco
GYPSUM—6,120 tons, U S Gypsum Co, Hantsport
LEAD—111 tons, Philipp Bros, Rijeka
LIVERMEAL—280 bgs, Brown Bros, Montevideo
MOLASSES—4,000,000 kgs, Rotterdam
MUSTARD SEED—100 dms, Atlantis Sales Corp, London
100 dms, Carson Simon Co, London
PEATMOSS—950 bgs, Bank of Manhattan Co, Bremen
410 bgs, Marine Midland Trust Corp, Bremen
PETROLEUM, CRUDE—121,244 bbls, Atlantic Refining Co, Pamatacual
199,191 bbls, Gulf Oil Corp, Mena Al Ahamdi
328,181 bbls, Gulf Oil Corp, Puerto La Cruz
119,900 bbls, Texas Petroleum Co, Pamatacual
15,491 tons, Gulf Oil Corp, Mena Al Ahmadi
120,569 bbls, The Texas Co, Las Piedras
231,778 bbls, Socony Vacum Oil Co, Covenas
242,686 bbls, Atlantic Refining Co, Puerto La Cruz
PHOSPHATE—2,000 bgs, Albumina Supply Co, Antwerp
500 bgs, Bankers Trust Corp, Exiria
POTASH—1,090 tons, Potash Import Corp, Antwerp
SHELLAC—120 bgs, Mac Lac Corp, Calcutta
TAR—11 dms, Imperial Chemical Co, London
UREA—3,620 bgs, Chemical Manufacturers Trust Co, London

San Francisco

CALCIUM NITRATE—1,236 tons, Wilson & George Meyer & Co, Heroya
CHLORIDE—250 bgs, Innis, Speiden & Co, Rotterdam
CASSIA—600 bls, H M Newhall & Co, Hong Kong
210 bls, S L Jones & Co, Hong Kong
COPAL GUM—116 bgs, O G Innes Corp, Hong Kong
160 bgs, Henry W Peabody & Co, Hong Kong
CHILLIES—60 bgs, M S Cowen Co, Kobe
CURRY POWDER—37 ctns, T H Davies & Co, Glasgow
DICALCIUM PHOSPHATE—20 tons, Antwerp
DYES—100 bbls, Manufacturers Trust Co, Antwerp
FISHLIVER OIL—50 dms, Consumers Import Co, Yokohama
FISHMEAL—725 tons, Haugesund
FERTILIZER—196 tons, Antwerp
GINGER ROOT—72 bgs, Mincing Trading Corp, London
60 bgs, R C Pauli, London
IRON OXIDE—334 bgs, Malaga
2,174 bgs, C K Williams & Co, Malaga
653 bgs, L H Butcher Co, Malaga
218 bgs, C B Chrystal Co, Malaga
889 bgs, Bank of California, Malaga
LEAD CONCENTRATES—1,927 tons, American Smelting & Refining Co, Antofagasta
453 tons, J Henry Schroeder Banking Corp, Antofagasta
394 tons, Bank of London & S A, Antofagasta
400 bgs, American Smelting & Refining Co, LaUnion
784 tons, South American Minerals & Merchandise Corp, Antofagasta
MUSTARD—139 ctns, The Atlantis Sales Corp, London
OLIVE OIL—216 dms, G Grannucci & Sons, Cadiz
216 dms, Ladys Choice Foods, Cadiz
500 dms, A Giurlani & Bros, Leghorn
209 dms, Barcelona
483 dms, A Giurlani & Bros, Malaga
148 dms, Malaga
PAPRIKA—100 bgs, Barcelona
PEATMOSS—100 ctns, Pacific Wax & Trading Co, Bremen
1,565 bls, H M Newhall, Rotterdam
1,000 bls, Pacific Wax & Trading Co, Rotterdam
PEPPER, BLACK—320 bgs, Mincing Trading Corp, Cochin
PETROLEUM, CRUDE—14,745 tons, Standard Oil Co, Miri

Glyco Vice-President

Dr. Eugene McCauliff has been elected vice-president in charge of sales of the Glyco Products Co., Inc., Brooklyn, N. Y. He has been in charge of technical service and development since 1944. Prior to this, he was connected with the Hooker Electro-chemical Company and Industrial Synthetics Corporation.

POLLACKLIVER OIL—125 dms, Albumina Supply Co, Otaru
50 dms, Arista Oil Products Co, Otaru
PYROTECHNICS—90 ctns, Irving Trust Co, Yokohama
36 ctns, Wallace Clark Co, Yokohama
575 cs, Bond Bros & Co, Hong Kong
SAGO FLOUR—60 bgs, Singapore
SAFFRON—2 cs, Monteverde & Parodi Inc, Genoa
SODIUM BICARBONATE—1,600 bgs, Chemical Manufacturing Co, Glasgow
NITRATE—1,841 tons, Guaranty Trust Co, Tocopilla
UREA—40 tons, Wilson & George Meyer & Co, Heroga
WHITING—240 bgs, Balfour Guthrie & Co, Glasgow

P.A.'s-Eye View

—Continued from page 4

lack of orders, shortage of materials, and time lag in conversion to defense production. The paid summer vacation, which has often been a drag on production schedules since the war, is a welcome respite for many, because of the soft spots developing this summer

Buying Policy

More buyers are in the "hand-to-mouth" to ninety-day commitment bracket this month. Eighty-three percent, 9 percent more than April, report holding to this coverage. The significant change, however, is the trend into a top of sixty days and some to thirty days. Anticipation of price rollbacks has had little to do in formulating this conservative buying policy. Even guaranteed price protection has failed to encourage a longer view of the markets. One executive seems to sum it up with, "If we don't know what or how much we will be permitted to produce, we don't know what or how much to buy."

Specific Commodity Changes

Price fluctuations for the month are generally unimportant and mostly in the materials not under price regulation. Of particular note, however, is the two-price market in copper. The domestic controlled price is 24½ cents. The price of Chile copper is 27½ cents, which includes a 3 cent subsidy to the Chilean government promised by the United States government. How long other countries exporting copper and other strategic materials to the United States will continue to do so without demands for similar subsidies, and how long the domestic copper miner will accept settlement for his ore at a 3 cent lower differential than Chile copper, is a confusing question.

Others up were brass scrap, sulphuric acid, insulated cable, sugar, lumber (mixed), specification paint, paraffin wax, sulphate, sulphur.

On the downside were cotton, several food items, linseed and edible oils, rubber, shellac, textiles, tin.

Very hard to get were sulphuric acid, aluminum, brass, chlorine, copper, electrical control equipment, lead, nails, nickel, kraft paper, pipe, sulphur, steel and scrap, burlap, zinc.

Canada

Canadian industry is beginning to follow the US pattern. Production and orders are off for May. No price control; so, the spiral continues upward. Inventories are up. Finished goods are backing up, due to high prices and taxes. Employment off a bit and may continue to slide unless more defense business is placed. Buying policy about in line with the United States.

Books that rate "A" with Chemists

STATISTICAL QUALITY CONTROL — Schrock..... 5.00

This book is the first attempt to present, in a brief, clear-cut manner the principles of statistical methods of controlling product quality in industry. In simple, non-technical language the author analyzes the problems and indicates the techniques to be used to assure adequate control of output quality. This treatment of the subject will be of the greatest interest to product engineers, supervisors, and management officials in all types of industry, including chemical products, metal products, textiles, automobile assemblies, electrical products, and numerous others of a similar nature.

INDUSTRIAL CHEMISTRY (5th edition) — Riegel..... 7.50

This nationally established textbook covering 50 major industries is especially designed for students and for all who wish a handy cross-section presentation of the chemical and process industries. Ideal for those planning to specialize in industrial or chemical research. Replete with production figures, tables, charts, illustrations and diagrams of equipment. Over 1,020 pages packed with condensed information.

THE GENIUS OF INDUSTRIAL RESEARCH — Killefer..... 5.00

How are great scientific discoveries made? Are they merely accidental, or the product of years of thought and effort? How is scientific research conducted? What are its objectives and methods? . . . All these questions and many similar ones are answered in this intriguing and provocative book.

ACETYLENE AND CARBON MONOXIDE CHEMISTRY— Copenhaver & Bigelow..... 11.00

This is the first complete, critical treatment of the chemistry of acetylene under pressure. It describes in detail all major chemical processes based on acetylene with particular reference to the newer developments in Germany, in this country and elsewhere. Available information up to 1949 has been included.

SILICONES AND OTHER ORGANIC SILICON COMPOUNDS—Post 6.00

The purpose of this book is to organize and correlate the great mass of material now in the chemical literature relating to silicone resins and other aspects of the organic chemistry of silicon. This is the first critical summary of the subject of silicone plastics and will be welcomed by all organic chemists, plastics and high polymer research workers and technical librarians.

NATURAL PRODUCTS RELATED TO PHENANTHRENE (3rd edition) (ACS)..... 10.00

This book is addressed not only to chemists, biochemists, and medical investigators directly interested in this specialized field, but also to workers in other fields, who now have easy access to a wealth of new techniques of experimentation, new schemes of synthesis, and new theoretical concepts that have resulted from the spectacular advances in the chemistry of the steroids and related products.

OUTLINES OF FOOD TECHNOLOGY (2nd edition)—von Loesecke. 7.50

Provides a basic picture of present-day food technology covering the latest advances in handling raw materials, processing, equipment, machinery, packaging, preserving, storing and marketing all types of foods and food products. Information through 1949 is included with descriptions of such recent developments as the role of electronics, dehydro-freezing, the use of ethylene in fruit preparation, quick-freezing techniques, homogenized milk, etc.

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Botanical Drugs, Spices, Gums

Minimum spot quotations on botanical drugs continued to work downward, although not all dealers were disposed to meet the lowest quotations announced last week. Once again, the majority of declines came in imported goods; of the total changes in botanical drugs, about eight were of domestic origin. Lack of sufficient demand to encourage maintenance of previously quoted prices, plus the fact that dealers in some instances have been caught under very low price ceilings on items of limited and occasional demand, appeared to be behind the downward revisions noted. The market index was lowered again, this time by 1.6 points to establish it at 225.8.

The strength of prices on drugs of domestic origin was still a market feature. The bulk of such goods was firmly held and seemed likely so to remain unless the size and cost of new collection shall change sharply—which they are not apt to do.

News from the domestic collection centers was more favorable last week. The weather has improved considerably. Spring temperatures and plenty of sunshine tended to increase drug collection and deliveries to primary market warehouses gained surprisingly. To this time, not a great deal of buying had been done but production and purchases were on the up grade last week, usually at a cost higher than last year. Purchases of cherry and white pine barks rose satisfactorily. A marked gain in the dig of mandrake root was reported. Sassafras made good progress. Blood root—definitely an early Spring article—was in poor condition; some warehouses had yet to receive a single pound of new crop.

Flavoring botanicals were in the doldrums but sales showed some gain over the low volume done in recent weeks. Prices, however, moved exclusively in downward direction—a sure sign of the highly competitive character of the market at this time.

Balsams

Peru—A firm to strong market prevailed, supported here by the high cost of replacements an the limited quantities available at the origin.

Tolu—Sales were made between $6.25 and $6.50 per pound in some quarters, but in one direction ceiling limitations made it necessary to offer at not more than $5.50. It was doubtful that any but regular customers would receive deliveries at that price.

Barks

Cascara Sagrada—All markets showed strength. That on spot held little quick-delivery material, and to a considerable extent the quotations were nominal. Reports from the source indicated but limited production thus far from peelings that began May 1.

Cinchona — One quarter reduced spot quotations to the basis of 30c. per pound. Others asked upwards of 35c. All said that demand for pharmaceutical bark was very light.

Condurango—Lack of demand led to prices being shaded to the basis of 17c. to 18c. per pound. Volume has been small for many weeks.

Cramp—New crop collections have been very light, but inactivity in this market has led to a lower price of $1 to $1.10 per pound, depending on supplier.

Beans

Vanilla—The local market continued to be one of only moderate activity. So far as consumers were concerned, they had yet to develop a disposition to buy forward deliveries in quantity. Present quotations were regarded as being highly favorable for consumer operations, but buyers seemed to feel that replacement costs would drop in the future. This feeling existed despite the fact that spot prices have never been so low during the past fifty years as they are at the present time. It is doubted that any other botanical item in OPD sells today at less than it did at the turn of the century.

Berries

Cubeb—A limited addition to spot stocks failed to bring an easing of local quotations. Costs at the origin are rather opposed to any shading of spot quotations, Demand was mainly for jobbing quantities.

Hawthorn—A steady price position prevailed under the influence of a demand mainly of hand-to-mouth description. Replacement costs tend to keep local quotations stable.

Flowers

Elder—Some spot opinion was that lack of consumer demand tended to weaken asked prices of some local suppliers. However, much will depend on the amount of domestic goods that is collected this year. The carryover was small.

Linden—Stability in price prevailed even though sales were stable only in the sense that they continued to be limited in volume and confined mainly to jobbing needs.

Gums

Ammoniac—A lower spot price developed in one quarter where offerings were made at the minimum of 40c. per pound. As to seller and quantity, the market ranged to 50c.

Benzoin—Spot was lower at 45c. per pound. Some wanted 48c. minimum and declared that price to be in line with replacement costs. It was also said that some recent arrivals had proven to be of sub USP quality.

Euphorbium—Sales on spot were made at the lower level of 20c. per pound and more goods were so offered late last week. The range in asked prices was to 25c. in most instances.

Mastic—Market inactivity brought open market quotations down to the basis of $1.60 to $1.65 per pound last week.

Herbs and Leaves

Agrimony—Quotations dropped to the basis of 25c. per pound in one quarter disposed to take a more competitive market position by reason of the recent absence

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

Drugs

Ginger root, Jamaica No. 3, 1c. per lb.
Sarsaparilla root, domestic, 10c. per lb.

Other Articles

Pepper, black, spot, 3c. per lb.

Prices Reduced

Drugs

Aconite root, 3c. per lb.
Agrimony herb, 5c. per lb.
Aletris root, 15c. per lb.
Alkanet root, 5c. per lb.
Areca nuts, powdered, 3c. per lb.
Belladonna leaves, 2c. per lb.
Cinchona bark, red, broken, 5c. per lb.
yellow, broken, 2c. per lb.
Colombo root, 2c. per lb.
Condurango bark, 1c. per lb.
Damiana leaves, 3c. per lb.
Euphorbia herb, 2c. per lb.
Fenugreek seed, Moroccan, ½c. per lb.
Syrian, ½c. per lb.
Ginger root, Jamaica No. 1, 1c. per lb.
Grindelia robusta herb, 1c. per lb.
Gum, ammoniac, 10c. per lb.
Benzoin, 5c. per lb.
Euphorbium, 5c. per lb.
Mastic, 5c. per lb.
Henbane leaves, 2c. per lb.
Iceland moss, 5c. per lb.
Liverwort leaves, 5c. per lb.
Scullcap herb, eastern, 2c. per lb.
Spikenard root, 2c. per lb.

Other Articles

Allspice, Mexican, ¼c. per lb.
Anise seed, Czech, 1c. per lb.
Spanish, 1c. per lb.
Caraway seed, Dutch, ½c. per lb.
Clove, Madagascar, 1c. per lb.
Zanzibar, 1c. per lb.
Coriander seed, Argentine, 1c. per lb.
Czech, 1c. per lb.
Cumin seed, Iranian, ½c. per lb.
Mace, Siauw No. 1, 2c. per lb.
Marjoram, Bohemian, new crop, 1c. per lb.
Chilean, 2c. per lb.
French, 1c. per lb.
Peruvian, 2c. per lb.
Nutmegs, East Indian, 1c. per lb.
Pepper, red, Turkish, 1c. per lb.
Rosemary leaves, Portuguese, ½c. per lb.
Sage, Spanish, ½c. per lb.
Tarragon leaves, 5c. per lb.

Comparative Price Indexes

(100—August 1, 1914)

Last week	Prev. week	Last month	July 1, 1950	June 2, 1950
225.8	227.4	229.1	184.9	188.0

(*For Current Prices see Page 9*)

Imports Detained by FDA

Week Ended May 19

New York

Aniseed, 857 bags: filthy.
Cassia, 3 lots, 253 bales: filthy.
Cloves, 100 bags: filthy.
Mace, 2 boxes: live insects.
Nutmegs, 66 bags: moldy and wormy.
Sesame seed, 3 lots, 632 bags: filthy.
Turmeric root, 2 lots, 136 bags: live beetles.

Baltimore

Dill seed, 200 bags: filthy.

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of trade. The market ranged to 30c. per pound.

Belladonna—As low as 45c. per pound was quoted in one direction. Other quarters indicated sales between 58c. and 62c. per pound according to quantity. As usual, there was talk of quality as a determinator of prices and values. As a rule, suppliers were not disposed to meet the 45c. figure.

Damiana — Under competitive circumstances, it was said last week that as low as 32c. per pound had to be done to get business. Quotations ranged to 35c. Not much demand was noted.

Euphorbia Pil—Several arrivals have been noted of late and that may account for the fact that the market was shaded to the basis of 12c. to 14c. per pound last week.

Grindelia Robusta — Slightly lower prices at 21c. to 23c. per pound were reported in a rather slow market last week.

Henbane—Supply appeared to be ample in most instances and costs in some quarters made possible a shading of prices to the level of 30c. per pound. As to seller, the range was to 35c.

Liverwort — Prices ultimately will be set by the quantity collected and the cost thereof this year. Buying prices have been upped some. Local quotations were shaded to 75c. to 80c. per pound.

Marjoram — A virtually inactive spot market brought prices down. Bohemina new crop was priced at 39c. to 39½c. per pound and that price also prevailed on French goods. Chilean was down to 32c. to 32½c. and Peruvian was off at 30c. to 30½c.

Rosemary — The only price change in this group came in Portuguese material which was lowered to 6½c. to 7c. per pound.

Skullcap — Eastern herb was down to 48c. to 50c. per pound but how long the lower price will prevail depends on a resumption of demand, on one hand, and new crop costs on the other.

Tansy—An attempt to move some slow moving stocks resulted in local quotations dropping to 25c. to 30c. per pound.

Tarragon—Leaves were lower at 65c. to 70c. per pound but herb held very steady at 45c. to 50c. per pound. Stocks were conservative in most quarters. So was demand.

Miscellaneous

Areca Nuts — Powdered material was lower at 13c. to 16c. per pound, the range covering differences in sellers' price views.

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Calcium compounds	185,000	121,000	602,000
Chemical products, other	4,158,000	3,500,000	12,137,000
Copper and products	5,321,000	5,908,000	17,531,000
Fertilizers	2,140,000	4,586,000	8,454,000
Lead and products	3,859,000	1,494,000	10,164,000
Medicinal preparations	370,000	320,000	1,197,000
Nickel	10,735,000	9,275,000	30,154,000
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of trade. The market ranged to 30c. per pound.

Belladonna—As low as 45c. per pound was quoted in one direction. Other quarters indicated sales between 58c. and 62c. per pound according to quantity. As usual, there was talk of quality as a determinator of prices and values. As a rule, suppliers were not disposed to meet the 45c. figure.

Damiana — Under competitive circumstances, it was said last week that as low as 32c. per pound had to be done to get business. Quotations ranged to 35c. Not much demand was noted.

Euphorbia Pil—Several arrivals have been noted of late and that may account for the fact that the market was shaded to the basis of 12c. to 14c. per pound last week.

Grindelia Robusta — Slightly lower prices at 21c. to 23c. per pound were reported in a rather slow market last week.

Henbane—Supply appeared to be ample in most instances and costs in some quarters made possible a shading of prices to the level of 30c. per pound. As to seller, the range was to 35c.

Liverwort — Prices ultimately will be set by the quantity collected and the cost thereof this year. Buying prices, have been upped some. Local quotations were shaded to 75c. to 80c. per pound.

Marjoram — A virtually inactive spot market brought prices down. Bohemina new crop was priced at 39c. to 39½c. per pound and that price also prevailed on French goods. Chilean was down to 32c. to 32½c. and Peruvian was off at 30c. to 30½c.

Rosemary — The only price change in this group came in Portuguese material which was lowered to 6½c. to 7c. per pound.

Skullcap — Eastern herb was down to 48c. to 50c. per pound but how long the lower price will prevail depends on a resumption of demand, on one hand, and new crop costs on the other.

Tansy—An attempt to move some slow moving stocks resulted in local quotations dropping to 25c. to 30c. per pound.

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Essential Oils, Other Aromatics

With trading activities quite definitely slowed down and the arrival of replacements of many of the former tight articles, the essential oils and aromatic chemicals market showed a tendency toward favoring the buyer, rather than the seller. Buying was at a minimum as consumers dug into the inventories they built up during the latter part of 1950 and the early part of this year. Where shipping prices allowed it, dealers could offer recently purchased oils at sharply lower prices. This was true in the cases of bois de rose, citronella of all varieties, lemongrass and patchouli oils. All of these materials were, until recently, almost impossible to obtain. Rosemary oil was easier in price and sandalwood oil, while still rather high at the origin, could be found at more favorable prices in a few places. It was rather significant that a drop of 3.3 points in the price index placed it at 217.9, lower than it has been since January of this year.

The hoped-for extension in the deadline for filing by importers under CPR 31 came through this week in Amendment 2. The amendment extended the date from June 1 to July 15, allowing, however, for immediate application in cases where importers filed earlier. This extension was felt to be necessary because of the tremendous work required for the completion of the reports.

Another OPS ruling was issued concerning the pricing of materials processed from farm commodities, including peppermint and spearmint oils. In order to prevent windfalls to processors, the order required that they do not pass on an increase in the farm product until they have sold a quantity of the processed item equal to the inventory on hand.

Market Trends

Prices Advanced

Petitgrain oil, 15c. per lb.

Prices Reduced

Bois de rose oil, 20c. per lb.
Citronella oil, Ceylon, 30c. per lb.
Java, true, 95c. per lb.
Java-type, 20c. per lb.
Lemongrass oil, 50c. per lb.
Patchouli oil, $1.50 per lb.
Rosemary oil, Spanish, tech., 25c. per lb.
USP, 22½c. per lb.
Sandalwood oil, 25c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	July 1, 1950	June 2, 1950
217.9	221.2	222.2	132.7	126.1

(*For Current Prices see Page 9*)

Essential Oils

Apricot Kernel—This market was without special feature. Fairly good quantities were to be had at prices which ranged between 50c. and 65c. a pound.

Bergamot—No relief has yet been seen in the tight situation of the Italian oil. Prices remained very high and many handlers have withdrawn from the market. Only small quantities were offered from the origin. Minute quantities of oil were still held by dealers at prices as low as $8.75 a pound. However, the more usual prices ranged from $10.50 to $11.50 a pound.

Bois de Rose—While the majority of dealers quoted this Brazilian oil at about $4.75 a pound, it was possible to obtain it for as low as $4.50. The market was in a better position than it has been since the early part of the year. Recent importations have swelled the warehouse stocks of suppliers and prices quoted at the origin were quite favorable. It was the opinion of the trade that the supply situation should remain easy for a long time to come.

Caraway—This market was without special feature. During the past few weeks, it was reported, prices at the origin have shown a softer tone. This has not yet had any noticeable effect upon the spot market, where prices ranged between $4 and $4.50 per pound. Stocks were ample and a good steady demand was reported.

Cassia—No change has occurred in the easy spot position of this Chinese oil. Prices have continued to hold steady at $5 to $5.25 a pound, despite the fact that there was little chance of getting replacements once the rather large stocks are sold. Selling has been at a rather even pace. In some places it was said that many of the usual consumers were showing greater interest in imitations where the natural oil price was considered too high.

Cinnamon—Reasonably good amounts of bark oil were to be had on the spot market at prices ranging widely from $30 to $60 a pound. Call for the high-priced oil were rather small but steady, and there was no difficulty in meeting it. Leaf oil did not seem to be available at this time, and any prices quoted from the origin were extremely high, far too high for resale at ceiling prices.

Citronella—Last week saw this market grow sharply weaker as prices took a nosedive. Ceylon oil, which has been arriving in large quantities from the origin could be bought on spot for as low as $1.90 a pound, a decline of 30c. from the previous minimum. It ranged to $2.50 a pound. Different dealers had both true Java and Java-type oils at $2.05 a pound. In the case of the former, this was a drop of 95c. per pound from the high level at which it had stood for quite a while. Formosan oil was reported to be considerably cheaper at the origin. Suppliers stated that inquiry for all varieties has dropped off despite the favorable market.

Dillweed—Dealers were still marking time on this article. Supplies were very large, as they have been since the last crop arrived last Fall. It was merely necessary to wait for the pickling season to get underway before any real pick up in buying might be expected. Prices remained at the low level of $4.35 to $4.75 a pound.

Eucalyptus—With consumer interest anything but brisk and stocks large, this remained a buyer's market. Prices continued to be favorable, 70-75 percent grade standing at $1.20 to $1.55 a pound and 80-85 percent oil at $1.35 to $1.85 a pound. It was likely that this situation would continue through the summer, since the active buying season comes with the colder weather, according to the trade.

Fennel—This small item remained generally stable. A small quantity was offered for as low as $2.30 per pound. More generally prices stood between $2.50 and $3.25 a pound. There is usually little fluctuation in the price of the article, and the demand is small but steady, coming mainly from producers of liqueurs.

Geranium—While the spot market remained steady at the recently reduced prices of $24.50 to $30 a pound, it was reported that prices at the origin have firmed up again. Shipping prices were said to have risen sharply. Stocks were fairly good and new crop oil might be expected within a short time. Algerian oil has not fared too well. There was hardly any to be found on the spot market and, thus far, no indication of when replacements might be expected. Where small quantities of the latter oil were to be found, prices varied from $26 to $32.50 a pound.

Lavender—There was little activity in this market as dealers awaited prices for new crop oil. All indications pointed toward further strength. The application of price regulation CPR 31 should make it possible for dealers to stay in this market despite expected advances. Spot stocks continued to be fairly good in some quarters and prices were unchanged. The 30-32 percent grade oil varied from $4.50 to $6.50 a pound, 38-40 percent grade from $6.25 to $8.50 and high-grade 40-42 percent oil from $8 to $10.35 a pound.

Lemon—As yet there has been no sign of relief in this market. There have been some recent purchases of Messina oil, and this material was presently awaited. Prices varied widely from $4.50 per pound up. There have been no further developments reported concerning Californian material. Orders were not yet in, according to dealers. Remaining spot stocks were priced between $4.50 and $5 per pound, depending upon brand.

Lemongrass—There was a sharp decline in the price of this material last week. In some places it could be had for as low as $3.50 a pound, a drop of 50c from the previous low quotation. Other quotations continued to range as high as $5 a pound. There have been some large purchases made recently, although much of the new material has yet to arrive on the local market. Dealers claimed that it was now possible to purchase as much as desired from the Indian source.

Lime—Little oil was available last week. Dealers were awaiting replacements, some of which were said to be en route to this market. Quotations for the Mexican distilled oil were mostly at the top of the price range of $7 to $7.50 a pound. Observers in the trade were of the opinion that future arrivals would be priced somewhat higher in accordance with the firm prices being asked at the origin. Distilled oil from the West Indies was similarly tight and steady in price.

Nutmeg—Spot prices have been holding

For Late Market Developments, See Page 4

rather steady and the market situation was reported to be quiet. Good stocks have made it possible for dealers to continue to quote East Indian oil at $4.50 to $5.75 a pound and West Indian material between $4 and $4.75. According to observers it would be impossible to sell replacements at the current price level, since shipping prices have been very strong for some time.

Ocotea Cymbarum—Where this oil was available it was priced between 85c. and $1 per pound. Those dealers who held stocks reported it to be in good supply. A number of the usual handlers, however, were withdrawn from the market because replacements were above their ceiling prices. This situation may change, of course, when the ruling, CPR 31, is complied with. At that time it should be possible for many former suppliers to reenter the market.

Orange — With Floridian oil virtually out of the market, Messina oil too high priced for large dealing and West Indian oil in very short supply, great strain has been placed upon the stocks of Californian oil, which was itself far from plentiful. It was still possible to obtain small quantities at prices as low as $2.05 a pound. Most of the remainder of the material ranged up to $2.50, according to brand. It was stated that shippers hoped to get still higher prices for the new crop material. The heavy demand which comes at this time of year has not yet become too apparent.

Patchouli—This market grew steadily weaker as spot prices dropped to as low as $18.50 a pound. More generally quotations were maintained between $20 and $23 per pound. According to observers, the market may be expected to drop still further. Very large quantities have been brought to the market, although it was found that there was much variation as to quality. Buying interest was not too active. It was felt that prices would have to go much lower before soap producers might re-enter the market in any large numbers.

Pennyroyal—The imported oil could be had at prices of $4.75 to $5.75 a pound. The market for this oil remained stable as usual. Small quantities were required and these could be supplied with ease. For the most part, handlers had good stocks and had no need to make inquiries concerning replacement.

Peppermint—No real information could be had concerning the new crop as yet. According to the trade, there has been talk of strength in the country, but it was without much significance, since the position of the new crop oil will depend upon the buying interest, as well as upon the growing conditions. On the spot market the oil was quite steady. There was no

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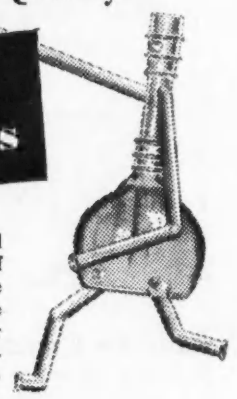
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great interest on the part of consumers, although there was some trading reported. In some quarters prices were quoted as high as $8.25 a pound for natural oil and $8.75 for the USP quality. However, it was still possible to obtain these oils for as low as $7.25 and $7.60, respectively. OPS last week issued an amendment to GCPR, making a windfall provision with regard to products processed from farm commodities, including this oil. According to this ruling, an increase in the price of the farm product cannot be passed on until the processor sells a quantity equal to the inventory on hand. Only at that time can the processor add the extra cost of the raw material to the price of his product.

Petitgrain — The lowest quotation reported on the spot market last week was $3.75 per pound. This was 15c. above the previous minimum. Elsewhere the oil was quoted up to $4.50 a pound. In some places stocks were said to be of fairly good size. However, in general, there was not too much available, and dealers were awaiting the arrival of recent purchases of new crop material. Based on the cost of this new oil, it was felt that prices might be a bit firmer in the future.

Rosemary—Several weeks ago there were definite signs of strength at the origin resulting in higher spot prices. There has now been a reversal of this trend and it was possible for suppliers to reduce spot quotations again. The technical grade oil could be had for as low as 70c. a pound, although it continued to range to $1 a pound. The USP grade was down to 82½c. a pound in one place, but the more general range of quotations stood at 90c. to $1.30 a pound. Stocks were quite adequate to meet all requirements.

Sandalwood—In some quarters it was possible to obtain this oil at a price as low as $12 per pound, a decline of 25c. from the last previous minimum. Elsewhere, depending upon source, prices ranged to $14.75 a pound. The cost of logs in India was said to be quite high.

Sassafras—For as long as the limited stocks last, dealers were able to offer the artificial oil at prices as low as 75c. a pound. Based on the cost of replacements, which were none too easy to obtain, prices might be expected to gain some strength. Should the proposed decrease in tariffs become effective, this article would become considerably less expensive to import.

Spearmint—Like peppermint oil, this material fell under the provisions of the recent OPS amendment aimed at preventing windfalls to processors of farm commodities. Under this provision, an increase in the cost of the farm product cannot be added to the processed item until a quantity equal to the processor's inventory is sold. The spot situation of this oil was quiet and unchanged. There were undertones of strength, but the oil could be had with no difficulty at prices ranging from $5.50 to $6.25 a pound. No actual information was released concerning the status of the new crop.

Thyme—While it has been reported that there was some easing at the origin, the spot market remained steady. Red oil could be had at $2.05 to $2.75 a pound, while the white oil was priced between $2.25 and $3.50 a pound. Small dealing was done in either variety and stocks were adequate to fill the demand.

Aromatic Chemicals

Citral—Following a prolonged period of tightness, there were signs that this situation might be improved within the next month. Recent purchases of lemongrass oil at more favorable prices were expected to arrive or have already appeared and production of this derivative will get underway again. Spot quotations were currently made between $8.10 and $9.30 a pound.

Eugenol—Clove spice has remained fairly steady, and if not as high as it has been, still too high for comfortable production of the derivative. Spot quotations for the limited quantities available ranged between $3.50 and $4.25 a pound.

Vanillin—All varieties remained tight and hard to get. The guaiacol derivative was reportedly still on proration, with deliveries some two or three months behind. There was none to be had on the open market, all production being sold to contract holders. The production of the eugenol derivative has been hampered by high cost and short supply of clove spice. Prices were unchanged on all types. The former was quoted at $3 to $3.15 a pound, while the latter ranged from $5.50 to $6.50 a pound. Lignin derivative was similarly firm, although it has been reported that all contracts were being filled. There did not appear to be any additional material for possible new customers, however. The price of this material held unchanged at $3 to $3.15 a pound.

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Protective Coatings Materials

The market held pretty much to its previous levels during the past week. There were some reports of falling off in demand here and there, but they were slight for the most part. Casein was something of an exception. Demand was slow and the material from the Argentine took a ¼c. tumble. The domestic was without change.

Earth colors held to good supply with the exception of synthetic red and yellow iron oxides. Zinc oxides were unchanged at heavy demand and tight supply. Synthetic resins were showing some lessening in demand but it was slight when examined against the whole picture. This was spotty and was affecting shelf products mostly. Industrial sales were still high. One producer of terpenes announced that it was halting shipments because of a fire at the plant of a supplier of beta pinene. Cellulose acetate was in strong demand and the supply continued pinched. Ethylcellulose was in about the same position. Polystyrene was tight. Some thought it would ease up but others thought it would continue tight. Natural resins producers were still figuring their revised schedules and the extension of time until the middle of July was a welcome thing.

The demand for shellac was fairly good but spotty. Some consuming industries were active and some were slow. They pretty much balanced each other, it was said. Domestic and imported casein were slow. Material from France, Switzerland and Portugal was being offered but was not being taken up very quickly.

Prime Pigments

Earth Colors—The demand all around was at good levels and there was an available supply of everything except synthetic red and yellow iron oxides. They were in a tight way.

Iron Oxide—Landed in this country last week were 4,600 bags from Bremen, 700 bags from Alicante, 6,342 bags, twelve bales and three cases from Malaga.

Mercury Oxides—The demand for paint for ships' bottoms continued strong. However, the supply was in good enough shape to keep it in approximate balance with the demand. There were no changes reported in the price listings.

Zinc Pigments—The market for these materials was pretty much unchanged during the past week. The demand was still at the good levels of the recent past and the supply was still tight. The tightness in the metal was one of the largest contributing factors to this situation.

Zinc oxide arrivals from Vera Cruz last week were reported at 1,000 bags.

Fillers and Extenders

Calcium Carbonate — Arrivals in this country last week included 2,344 bags from Hull, 1,600 bags from Antwerp and 240 bags from Glasgow.

Talc—Reported landed in this country during the past week were 2,544 bags from Genoa.

Synthetic Resins

The market did not show any great changes during the past week. The reports of easings that were heard several weeks ago were still being heard, and, on the other hand, there were still the same reports that business was holding up at good levels. It was true that the demand was lessening a bit here and there, but this lessening was of a pretty minor nature when examined against the whole picture. It was spotty as far as locale was concerned. In the East it was said to be apparent, partly at least, because of weather conditions. Most of it was reported to be on the shelf goods side of the picture. The industrial sales, it was said, were holding up at good levels. Supply, where it was tight, was said to be just as tight as ever and seemed likely to stay that way. Phenolics were in a tight spot, as they had been for some time, with the phenol situation largely responsible. Maleics were not free and neither were the alkyds. Soybean oil was in an unsettled condition and was off fractionally. Supply was at high levels. Linseed oil was lower in price and easy in supply. Prices, it was said, could be shaded for quantity orders.

One producer of terpene resins announced last week that it is not making any further shipments of this line. The supply has been affected by a fire and explosion at the facilities of a supplier of beta pinene, a raw material. This producer said it had no supplies of raw materials in storage but was establishing a small emergency stock of the finished resins which will be used to supply DO orders where no substitute materials can be used.

Market Trends

Prices Advanced

None

Prices Reduced

Casein, imported, acid-precip., ¼c. per lb.

Rosin, gum, New York, tankcars, less carloads, 2c. per gal.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	July 1, 1950	June 2, 1950
212.8	212.8	212.8	173.7	173.7

(For Current Prices see Page 9)

Cellulose Acetate—The demand for this material continued in a strong way during the past week, and from all indications it was likely to go on that way for some time to come. The supply was reported to be tight and it was added that there were no signs that there would be any improvement in the immediate future. The acetate yarn demand at the present time was said to be big and there was a good amount of the material that was required by the government. It was also reported that a considerable amount of the production was being affected by DO orders.

Ethylcellulose—The demand, as it had been for some time past, was very strong last week. The supply was reported to be very short. One producer said that the only signs evident at this time were that the material would get tighter. There were no changes reported in the price listings. The item was at 73c. in lots of 5,000 pounds and 75c. to 83c. in smaller lots.

Polystyrene—The demand continued to be observed at high levels during the past week. The supply was tight and some thought that it would continue that way althought there were others who anticipated that it might ease up a bit. There were no changes reported in the price listings.

Natural Resins

The trade was still devoting most of its time last week to the figuring of schedules in light of the recent import regulation and when word came during the week that there was a further extension of time granted until the middle of July, it was generally considered a welcome thing. The amount of work that the import regulation entailed was considerable and the added time would give producers a much better chance to accomplish this work. At present the demand was not holding at very high levels. There was a good deal of uncertainty about price regulations all around and that was thought to be exerting its effect on the demand. The supply at the moment was generally considered adequate. Some grades were, of course, in a better position than others. There had not been a great deal of importing done since the price freeze went into effect and, naturally, the grades that were in the greatest demand were now in the slimmest supply. The prediction was offered that by July or August there might be shortages evident in some of the grades and if it did come about it would be largely the result of the old price ceilings that made it impossible for importers to bring in materials and still sell them at at profit.

Imports of copal gum last week showed 500 bags from Matadi, 120 bags from Manila, 192 baskets from Macassar and 276 bags from Hongkong. There were five bags of sandarac from Casablanca, 1,060 bags of yacca from Adelaide and 338 bags of dammar from Singapore.

Shellac—Conditions that had prevailed in the market for this material for some weeks past were still pretty much in effect last week and there were no great changes that were looked for in the immediate future. The demand was at fairly good levels although it was spotty. One source stated that it was not quite so good as it was at this time or during the first five months of last year. In the consuming trades some lines of business were at high levels and this was taking considerable amounts of shellac, while in other lines business was off and that brought along a lack of interest. These two conditions, it was said, pretty much balanced each other. Supply here was re-

For Late Market Developments, See Page 4

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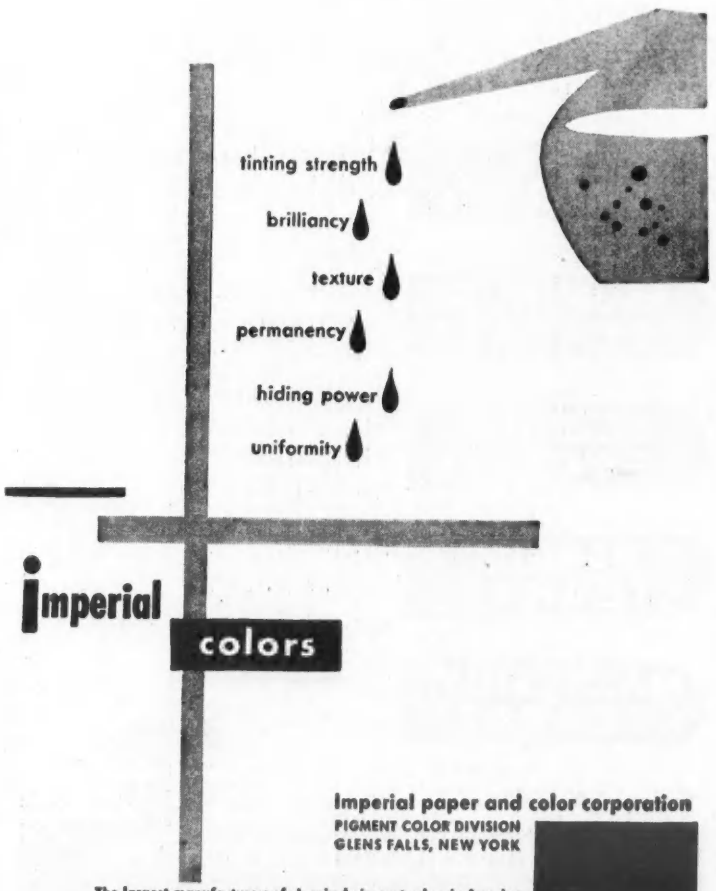

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DETROIT — D. H. Osgood Co.
HOUSTON — Joe Caulson Co.
KANSAS CITY — John T. Kennedy Sales Co.
LOS ANGELES — E. B. Taylor Co.
LOUISVILLE — Deeks, Sprinkel & Miller, Inc.
MONTREAL, CAN. — Wm. J. Michaud Co., Ltd.
NEW ORLEANS — Russell Chemical Co.
PHILADELPHIA — Loos & Dilworth, Inc.
PITTSBURGH — B. Ostroff
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ported to be at a satisfactory level. There had not been much buying done lately because of the price freeze and it was thought that if there should be any sharp increase in the call for shellac there might be some tightening of supply, particularly among the better grades. The India market was reported to be going along pretty much as it had been. The new crop from that country was expected to be on the market here in about a month.

Sticlac imports last week amounted to two bags from Calcutta. Seedlac imports were 2,862 bags from Bangkok and 1,400 from Calcutta. Button lac imports came to 250 bags from Calcutta. Shellac landed here totaled 3,856 bags from Calcutta and shellac wax amounted to 14 bags from Calcutta.

Miscellaneous Materials

Asbestos Fiber—Landed in this country last week were 1,061 bags from Fremantle, 2,225 bags from Durban and 5,100 bags from Lourenco Marques.

Casein—A lowering in price of ¼c. a pound was noted for the Argentine material during the past week but there were no revisions in the schedules of the domestic. The new figures on the Argentine were 39½c. to 39¾c. per pound. The market was said to be strong in the Argentine. Part of the reason at least was that the supplies in that country were reported to be light. The flush season was over and the stocks there could not be great again until the next flush. The demand in this country was not at a high level. It was said that there had been practically no buying here at all for the past two or three weeks regardless of price. The mills at the present time were reported to be pretty well overstocked and their business has been slow. It was also said that they were using substitute materials. The offers of French casein that were being made were not meeting with a great deal of interest. Although this item was reported as much as 5c. a pound lower than the Argentine, purchasers in this country were not looking on it with any great interest. There was a good amount of the French that was available as that country seemed to be in a good supply position this year. There were also offers being made by Switzerland and Portugal but they were not meeting with any great interest either.

There were reports during the week that there was some cutting in the price of the domestic material, although this was not the ordinary thing. Prices were still holding for the most part at the previously established levels. One source stated during the week that it did not make any difference if the prices were cut. There was only so much demand and it was thought that even if there were price cuts there would not be any more of the material moving. The same source also predicted that those who were willing to cut prices at this time would probably be putting them back up in a little while. The producers of milk in this country are just about at the peak of their flush at this time. The first week in June generally marks that point. That, of course, makes more material available and when there is a great amount on the market it is the usual thing for the demand to be slower than usual.

Among the imports of casein last week were 200 bags from Melbourne and 1,336 bags from Rotterdam.

Glue—Shipments of glue recorded from Buenos Aires last week amounted to 230 bags and from Montevideo, 227 bags. Gluestock shipments amounted to 188 bags from Liverpool, 96 bales from Havana, 53 bales from Mollendo and 2,810 bales from Bremen.

Graphite—Landed in this country during the past week were 250 bags from

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Durban, 100 bags from Havre and 1,250 bags from Colombo.

Gypsum—Last week's arrivals in this country amounted to 23,105 tons from Hantsport and 4,555 tons from Walton.

Synthetic Adhesives — Total consumption in the softwood plywood industry during the month of March, according to the Bureau of Census, was 11,783,000 pounds. This was above the total of the previous month, which came to 10,679,000 pounds and was considerably above the March figure a year ago. That came to 8,478,000 pounds. The breakdown showed that casein glue consumption in March amounted to 108,000 pounds, as compared to 109,000 pounds for the previous month and 511,000 pounds during the month of March in 1950. Soybean glue consumption in March came to 5,998,000 pounds. The previous month's total was 5,225,000 pounds and the figure for the comparable month a year ago was 4,018,000 pounds. Phenolic resin glue consumption in March was reported at 5,000,000 pounds, an increase over the 4,668,0000 pounds figure for the previous month. The March figure a year ago was 3,519,000 pounds. Other glues came to 677,000 pounds of consumption in March, a figure that was exactly the same as in the previous month. During March a year ago it was 430,000 pounds.

Stocks at the end of the month amounted to 7,828,000 pounds. This was less than the amount at the close of the previous month, when stocks stood at 8,322,000 pounds, but was considerably more than the 4,856,000 pounds figure for the close of March a year ago. Casein glue stocks, according to the breakdown, amounted to 134,000 pounds at the end of March, slightly lower than the 159,000 figure at the close of the previous month. At the end of March last year they were at 200,000 pounds. Soybean glue stocks at the close of March amounted to 3,967,000 pounds, as compared to 4,227,000 pounds at the close of the previous month and 2,001,000 pounds at the close of March a year ago. Phenolic resin glue stocks at the end of March this year amounted to 2,984,000 pounds and at the close of the previous month they amounted to 3,004,000 pounds. At the close of March a year ago they amounted to 2,225,000 pounds. Other glue stocks at the close of March this year amounted to 743,000 pounds and at the close of the previous month they were 932,000 pounds, while at the close of March a year ago they came to 430,000 pounds.

Naval Stores

The record of the gum naval stores markets during the week ended June 1 was as follows:—

Gum Rosin

	Price per 100 lbs.						
	Savannah Exchange (Low of range)					New York c.l., f.o.b. ex N. Y. whse.	l.c.l., Friday
	Mon.	Tues.	Wed.	Thurs.	Fri.		
B	$8.00	$8.00	$8.00	$8.00	$8.00	$9.95	$10.70
D	8.10	8.10	8.10	8.10	8.10	9.95	10.70
E	8.10	8.10	8.10	8.10	8.10	9.95	10.70
F	8.79	8.79	8.79	8.79	8.79	9.95	10.70
G	8.79	8.79	8.79	8.79	8.79	9.95	10.70
H	8.79	8.79	8.79	8.79	8.79	9.95	10.70
I	8.79	8.79	8.79	8.79	8.79	9.95	10.70
K	8.79	8.79	8.79	8.79	8.79	9.95	10.70
M	8.79	8.79	8.79	8.79	8.79	9.95	10.70
N	8.79	8.79	8.79	8.79	8.79	9.95	10.70
WG	8.90	8.90	8.90	8.90	8.90	10.15	10.90
WW	9.15	9.15	9.15	9.15	9.15	10.45	11.20
X	9.15	9.15	9.15	9.15	9.15	10.45	11.20
	Drums						
Sales	...	...	...	...	...		
Receipts	218	614	670	579	94		
Shipments	23	1,250	2	...	50		
Stocks	12,318	11,682	12,350	12,929	12,119		

Gum Turpentine

New York, Thurs., tankcars, f.o.b.					gal. (7 lbs.). .85
ret. drums, l.c.l., ex whse.					gal. (7 lbs.). 1.05
	Savannah Exchange, Bulk				
	Mon.	Tues.	Wed.	Thurs.	Fri.
Per gal.	.75¾	.75¾	.75¾	.75¾	.75¾
Sales, bbls	...	...	...	...	...
Receipts, bbls	935	634	172	397	884
Shipments, bbls	177	204	168	333	3
Stocks, bbls	2,819	3,249	3,253	3,317	3,927

United Has New Lacquer

A new one-coat, heat-resistant lacquer, "C 5173," has been introduced by the United Lacquer Manufacturing Corporation, Linden, N. J. The new lacquer, developed originally for finishing lamps, and stage and photographic lighting apparatus, may be used wherever temperatures up to 300 degrees are encountered. It is available in all colors, in flats, semi-gloss and gloss.

Trade Briefs

Bakelite Company, a Division of Union Carbide & Carbon Corporation, has appointed Leonard Connor to the position of retail sales promotion manager. Mr. Connor has been associated with Bakelite since 1942.

Merrimac Division of Monsanto Chemical Company, Pittsfield, Mass., has published a new bulletin describing lacquers for molded "Lustrex" styrene and cellulose acetate. Copies may be obtained from the division's surface coatings department.

Jones-Dabney Elects Scott Vice-President

Lawrence K. Scott has been elected vice-president of the Jones-Dabney Company, Louisville, Ky., a division of the Devoe & Raynolds Company. He is also director of laboratories for Jones-Dabney, which operates product development and research laboratories in Newark, N. J., and Detroit, Mich., as well as Louisville.

Mr. Scott joined the company in 1929 as a research chemist after receiving a B.S. in chemistry from the University of Kansas and an M.S. from Lehigh University. At Lehigh, he did graduate work on drying oils under the direction of Dr. J. S. Long, now chemical director of Devoe.

G-E Promotes Moody

Dr. Leroy S. Moody of the General Electric Company's chemical department, has been appointed product evaluation supervisor of the department's new product development laboratory. Dr. Moody came with the company in 1945 as a chemist, a position which he held until his present appointment.

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Paint Federation Opposes Name Change

—Continued from page 8

new model direct motor-driven, heavy-duty paste mixer of 50, 100, and 150 gallons capacity. The new mixer is designed to reduce to a minimum the labor and mixing time elements in production costs. The mechanical features of interest are individual right-angle gear head motor directly connected to the stirrer shaft; automatic cutoff which stops the stirrers from revolving without damage to the machine if a foreign object falls into the mixer. Ross is, also, producing a new 1,000 gallon, direct motor-driven, liquid and semipaste mixer. This mixer, with slight changes in the stirrer arrangement, can be used as an agitated storage tank. Paste or liquid type stirrers are available if desired. It is reported that this mixer gives excellent results over a wide range of mixing consistencies and conditions.

A new type of disperser is being offered by Tri-Homo Corporation, Salem, Mass. This equipment is claimed to be an improvement over the conventional colloid mill and to have outstanding efficiency for dispersing pigments in plasticizers and resins.

A heavy-duty stainless steel mixer of 60 gallons capacity is an item being manufactured by L. O. Koven Brothers, Inc., 154 Ogden avenue, Jersey City 7, N. J. This mixer is constructed with a rectangular mixing tank having a half-round bottom. Dimensions are 51 inches long, 30 inches wide and 18¼ inches deep. The tank is jacketed on the bottom for steam heating at 125 PSI. Thorough mixing is achieved by full length stainless steel, ribbon type spiral agitators with inner and outer ribbon having opposite thrusts.

It has been noted recently that Gus Vasel has been granted a patent on a new type of mixing and dispersing equipment. The committee will contact Mr. Vasel and try to make arrangements for testing of this new equipment.

The report on new raw materials was printed in OPD last week. A supplement reported the introduction of a new calcium carbonate and diatomaceous earth extender by the De Lore division of the National Lead Company.

Educational Activities

Development of new projects to replace those nearing completion was asked by the educational committee. It also asked that due consideration be given to the distribution of the new color aptitude sets.

Progress was reported in the research programs on permeability and water penetration (Baltimore club); exterior exposure tests (C.D.I.C. club); water and alkali tests (Cleveland club); molecular size, shape, and weight of special compounds (Louisville club); ultimate analysis, extractability, and liquid adsorption of clear films (Louisville club); ultraviolet absorption studies (McGill University); oxygen penetration and film shrinkage (University of Michigan); oxidation studies (University of Minnesota); infrared studies (New England club); chemical analysis and refractive index measurements (Northwest club); gain in weight (N.P.V.L.A. project); adhesion and electrical measurements (New York club); distensibility and tensile strength (Philadelphia club); yellowing and gloss studies (Philadelphia club); infrared measurements (Pittsburgh club); erosion, hardness, and abrasion resistance (Southern club).

In the report on technical education reference was made to two short summer courses at the North Dakota Agricultural College and two fellowships at the Illinois Institute of Technology. Comment also was made on the work on drying oils reports at the University of Minnesota.

The books on furniture finishing and paint as an engineering material were reported to be almost ready, so is the production manual. Other books and motion pictures are to be made, including a manual on experiments in paint technology. A resume of school courses will be published in the Official Digest. The new exposure manual is ready at $10 a copy.

Technical Relations

Problems facing the technical advisory committee and the N.P.V.L.A. scientific section because of the demands of the defense program were reviewed in two reports. Normal activities must be curtailed and the main endeavor, it was declared, must be to extend such advice and assistance as is possible, especially with reference to raw materials.

A report on cooperation with the American Society for Testing Materials said that thirty-seven joint standards nad been completed. Work is being done on record forms, especially for exposure data, on drying oils methods, and on viscosity. The relations were said to be very good and to be mutually beneficial.

The report on standards and tests told of the more rigid method designed for approval of specifications. Five new A.S.T.M. methods have been approved as federation standards; six are under consideration by constituent clubs; and twelve have been selected for submission. Other methods are being tried out in six clubs.

A tentative group has been set up to prepare a specification for glycerin for the manufacture of varnish and resin.

The technical coordinating committee for the protective coatings industry has under study several problems of the General Services Administration transmitted through the National Bureau of Standards. Data on all research projects are being

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prepared for presentation at the A.S.T.M. meeting in June.

Nominations for Officers

The following were nominated for the election for officers which will be held at the fall meeting:—

For president-elect, G. H. Wescott, E. I. duPont de Nemours & Co., Philadelphia.

For treasurer, N. P. Beckwith, Rinshed-Mason Company, Detroit (the present incumbent).

For members of the executive committee, R. C. Adams, Gilman Paint & Varnish Company, Chattanooga, Tenn.; A. W. McIntyre, British America Paint Company, Victoria, B. C.; S. O. White, Norfolk Paint & Varnish Company, North Quincy, Mass.

The present president-elect, H. P. Ball, Ball Chemical Company, Glenshaw, Pa., routinely will become president for next year.

Nineteen of the federation's twenty-three constituent clubs were represented at the council meeting. The official activities of the half-year were reviewed, aside from the committee reports, by Robert D. Bonney, president; H. P. Ball, president-elect; Homer Flynn, executive secretary; and N. P. Beckwith, treasurer. Their message was that interest and activity in federation affairs were increasing encouragingly. The federation's membership had been increased by 244 from January 1, 1950, to April 1, 1951, to a total of 2,852. At that latter date, the federation had $44,422.72 in its general fund and $64,-$626.19 in the educational fund. Its income in the first quarter of 1951 was $23,369.69; its expenses were $12,682.91.

National Lead Promotes Two

—*Continued from page 3*

nance sales department. Four years later he moved to the Billings-Chapin Company as general sales manager and, in 1937, he became president and treasurer. In 1940 he returned to Sherwin-Williams, in charge of their New England division. He came to National Lead in 1949 as assistant to the manager of trade sales.

Mr. Terwilliger came to National Lead in 1919 as a sales representative in New York state. He was transferred to the Atlantic branch sales staff in New York City in 1939. On February 1, 1941, he became assistant sales manager of the branch linseed oil department and on April 1, 1942, was appointed sales manager. He became manager of the pigment division of the Atlantic branch in 1949.

Mr. Zang, who continues as assistant manager of the pigment division of the Atlantic branch, started his company career in 1905 as an office boy. He served as a billing clerk, bookkeeper, cashier and metal department assistant in the Atlantic branch, was then appointed assistant to the comptroller and manager of the branch's export department. In 1922 he was transferred to the sales department and, in 1939, became sales manager of the white lead division of the branch. He was appointed assistant manager of the Atlantic branch in 1949.

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Naval Stores Report Issued for Jan.-Mar.

Production of gum and wood turpentine in the United States in the January-March quarter of 1951 totaled 141,200 barrels, compared with 125,320 barrels in the corresponding quarter of 1950, according to the Bureau of Agricultural Economics. Stocks at the end of the quarter were 50,500 barrels, as opposed to 89,420 barrels in 1949.

Production of gum and wood rosin for the quarter totaled 433,180 drums, compared with 370,480 drums in the 1949 quarter. Stocks on March 31, 1951, amounted to 334,230 drums, compared with 665,250 drums at the close of March of the previous year.

Details of the naval stores supply, demand and stocks in the January-March quarter of 1951 are as follows:—

Supply and Distribution

	Turpentine Barrels (50 gals.)	Rosin Drums (520 lbs.)
Carryover, January 1	159,820	711,430
Production	141,200	433,180
Imports	4,766	523
Supply	305,786	1,145,133
Carryover, March 31	128,760	558,580
Exports	37,519	197,268
Apparent consumption	139,507	389,285

Production

Gum	21,890	81,580
Wood	119,310	[1]351,600
Steam-distilled	62,700	.....
Destructively-distilled	1,280	.....
Sulphate	55,330	.....

Consumption by Industries

Adhesives and plastics	42	6,049
Asphaltic products	31	23
Chemicals and pharmaceuticals	31,336	[3]102,431
Ester gum and synthetic resins	5,753	87,299
Foundries and foundry supplies	73	912
Insecticides and disinfectants	7	610
Linoleum and floorcovering	.....	10,930
Oils and greases	7	5,081
Paint, varnish, and lacquer	2,879	24,261
Paper and paper size	.....	[4]118,084
Printing ink	45	1,721
Railroads and shipyards	1,255	2,196
Rubber	68	5,000
Shoe polish and shoe materials	660	1,303
Soap	.....	29,195
Other industries	75	1,003
Total industrial reported	42,231	[2]396,118

Carryover Locations

Production points	50,500	334,230
Gum stills	10,890	280,950
Wood plants	39,610	53,280
Southern concentration points	4,370	75,540
Industrial plants	33,590	139,580
Distribution points	40,300	9,230
Central	18,690	3,620
Eastern	17,460	4,410
Western	4,150	1,200

Miscellaneous Production

	Barrels (50 gals.)
Dipentene	13,450
Pine oil	45,340
Pinetar	30,420
Rosin oil	7,190
Other monocyclic hydrocarbons	14,190

[1] Total primary production of FF wood rosin.
[2] Includes the "B wood resin" produced in refining FF wood rosin to paler grades.
[3] Includes the "B wood resin" produced in refining FF wood rosin to paler grades, exclusive of "B wood resin" used in making paper size.
[4] Includes "B wood resin" used in making paper size.

New England Paint Club Sets Outing, Election Fri.

The New England Paint, Varnish and Lacquer Association will hold its annual outing and election of officers June 8 at the Kernwood Country Club, Salem, Mass. In addition to golf, which is scheduled for the entire day, a varied program of athletic events are planned for the afternoon. Dinner will be served at 7 p.m., with the annual election scheduled for 8 p.m.

Following are this year's nominees:—President, Oscar D. Clark, Clark-Lurton Corporation; vice-president, J. Edward Healey, Boston Varnish Company, and secretary-treasurer, J. Ralph Stout. Nominated to serve on the executive committee for two-year terms are the following:—Allan K. Adams, Frank Bownes Company; William A. Jackson, Calco Chemical Division of American Cyanamid Company, and W. Fraser Malcolm, Titanium Pigment Division of National Lead Company.

Trade Briefs

Armstrong Cork Company held a three-day sales convention of its glass and closure division recently at its Lancaster, Pa., headquarters.

James A. Meacham, industrial sales engineer for Sherwin-Williams Paint Company, was guest speaker at a recent meeting of the Rochester, N. Y., chapter of the Illuminating Engineering Society.

Robert A. Lees, manager of the Akron, Ohio, laboratories of American Anode, Inc., has been loaned to the National Production Authority as an adviser on the allocation of liquid latex.

Theodore C. Jewett, vice-president, and a director of Spencer Kellogg & Sons, Buffalo, N. Y., has been elected to the board of directors of the Barcalo Manufacturing Company, also Buffalo.

Dow Assigns Kugler

Rudolph W. Kugler has been assigned as a plastics coatings salesman for the New York area, it has been announced by the plastic sales division of Dow Chemical Company, Midland, Mich. Mr. Kugler recently completed an extensive training course in the company's coatings technical service and plastic sales departments. He was formerly associated with Heil Process Equipment Corporation in Cleveland, Ohio.

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4-Betahydroxygammadodecyloxy-normal-propylmorpholin

Chemical—Claimed (US 2334517) as high molecular weight surface-active agent.

2-Butyloctanol-1

Chemical—Suggested as intermediate in making nonionic and anionic detergent and surface-active agents, special purpose plasticizers.

Suggested for use as foambreaker.

n-1:2-Dicarbomethoxy-n-octadecyl-sulphosuccinamate Sodium Salt

Adhesives—Wetting agent (Brit. 587271) in adhesive preparations.

Chemical—Wetting agent (Brit. 587271) in emulsions of various chemicals, textile lubricants.

Cosmetic—Wetting agent (Brit. 587271) in various types of preparations.

Disinfectant—Wetting agent (Brit. 587-271) in disinfecting and germicidal compositions.

Dry-Cleaning—Wetting agent (Brit. 587-271) in dry-cleaning liquids.

Dye—Wetting agent (Brit. 587271).

Fats, Oils, and Waxes—Wetting agent (Brit. 587271) in boring, cutting, drilling, and wire-drawing oils; greasing and lubricating compositions; sulphonated oils; wax preparations.

Ink—Wetting agent (Brit. 587271) in printing and writing inks.

Leather—Wetting agent (Brit. 587271) in dressing, fat-liquoring, finishing, soaking, softening, tanning, and waterproofing compositions.

Metallurgical—Wetting agent (Brit. 587-271) in metal-plating processes.

Miscellaneous—Modifier of surface tension of liquids in various products and processes.

Wetting agent (Brit. 587271) in coasters for beer glasses, embalming fluids, polishing compositions, waterproofing compositions, soldering fluxes, wallpaper removers, various processes involving aqueous solutions.

Paint, Varnish, and Lacquer—Wetting agent (Brit. 587271) in paints, varnishes, and lacquers and in pigment manufacture.

Paper—Wetting agent (Brit. 587271) in sizing, waterproofing, and waxing compositions.

Pesticide—Wetting agent (Brit. 587271) in insecticidal and fungicidal compositions and horticultural sprays.

Petroleum—Wetting agent (Brit. 587271) in cutting oils and mineral oil, pitch, and tar compositions.

Photographic—Wetting agent (Brit. 587-271) in blueprint and photographic processes.

Rubber—Wetting agent (Brit. 587271) in cements.

Soap—Wetting agent (Brit. 587271) in detergent compositions, textile soaps.

Textile—Wetting agent (Brit. 587271) in bleaching, boiling-off, bowking, carbonizing, degumming, dyeing, fulling, kier-boiling, mercerizing, and soaking baths; coating, degreasing, oiling, scouring, sizing, spinning, washing compositions, waterproofing, and waxing compositions; printing pastes.

n-1:2-Dicarbethoxy-normal-octadecylsulphosuccinamate Sodium Salt

Adhesives—Wetting agent (Brit. 587271) in adhesive preparations.

Chemical—Wetting agent (Brit. 587271) in emulsions of various chemicals, textile lubricants.

Cosmetic—Wetting agent (Brit. 587271) in various cosmetic preparations.

Disinfectant—Wetting agent (Brit. 587-271) in disinfecting and germicidal compositions.

Dry-Cleaning—Wetting agent (Brit. 587-271) in dry-cleaning liquids.

Dye—Wetting agent (Brit. 587271).

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Phenyl-Mercuric Naphthenate

Miscellaneous — Mildewproofing agent for cordage, fishing gear, textiles, leather.

Mildewproofing agent in dubbins, polishes, paints, and other coating and impregnating compounds.

Polyoxyethylenesorbitan Monopalmitate

Cosmetic—Emulsifying agent in making various preparations.

Disinfectant — Emulsifying agent in making disinfectant and preservative preparations.

Fats, Oils, and Waxes — Emulsifying agent in making oil-in-water preparations, fat preparations, water-dispersible wax preparations.

Food—Emulsifying agent in processing fats and flavors in bakery products, flavor oils, ice cream, vitamin-carrying agents in milk and other food products.

Wetting agent in washing raw foodstuffs.

Wetting improver for powdered food products for use in water dispersions, confection coatings, salad dressings, and the like.

Miscellaneous — Emulsifying agent in preparing industrial masking (perfume) agents, polishes, cleaners, and finishing waxes.

Pesticide—Emulsifying agent in making mineral oil emulsions, insecticidal sprays.

Pharmaceutical—Reputed as emulsifying agent for flavor oils, hormone-carrying agents, vitamin-bearing oils and the like, various other preparations.

Triethyl Phosphate

(Additional uses, supplementary to those in the book, "Uses and Applications of Chemicals and Related Materials.")

Adhesives—Suggested as plasticizer in water glues.

Chemical — Suggested as reactant in making tetraethyl pyrophosphate, in ethylation of amines, alcohols, phenols, and the like, and in dehydration of glycols, olefinic alcohols (to give diolefins).

Electrical—Suggested as viscosity modifier in transformer oils.

Fire-Prevention—Suggested as ingredient of flameproofing formulations.

Mechanical — Suggested as viscosity modifier in hydraulic fluids.

Lubricant — Suggested as viscosity modifier in lubricating oils.

Paint, Varnish, and Lacquer—Suggested as plasticizer in water paints and as solvent in paint, varnish, and lacquer removers.

Textile—Suggested as plasticizer in textile sizes.

Trimethyl Orthoformate

Dye—Intermediate in making certain dyestuffs.

Pharmaceutical—Intermediate in making antimalarials, B-complex vitamins.

Resin—Intermediate in making special polymers.

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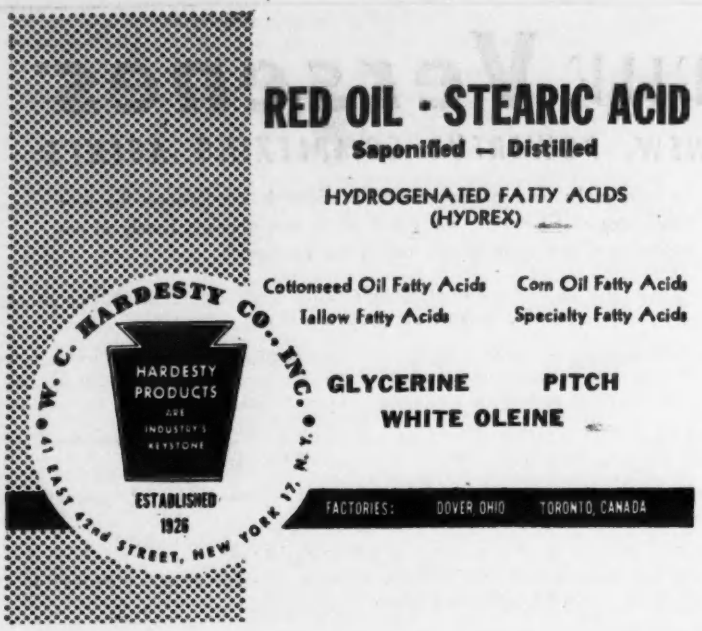

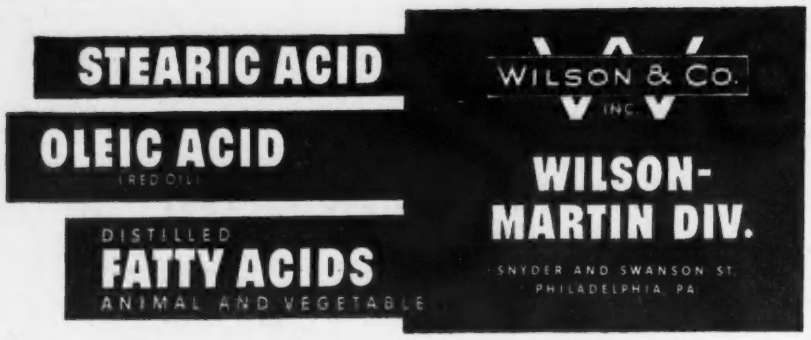

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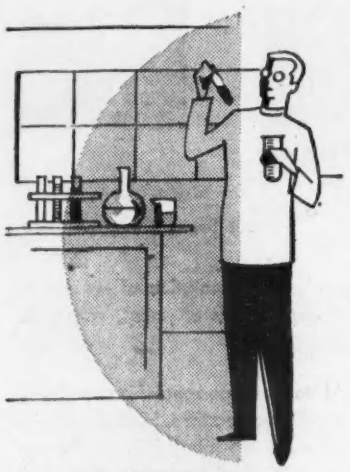

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Oils, Fats and Waxes

Trend of oils and fats prices continued downward last week. Offerings were liberal and light sales took place on a scale downward. Domestic demand continued inactive, while a moderate volume of export business took place in peanut and soybean oils. Price index declined 2.6 points.

Corn and peanut oils scored the largest declines, respectively 2½c. and 1¼c., while cottonseed oil dropped fractionally. Soybean oil was steadier, for prompt delivery. ECA allocation of $9,000,000 for copra, coconut oil, soybeans and soybean oil, flaxseed and linseed oil for export to Germany had a salutary effect, especially on coconut and copra which became firmer and reduced early price declines.

Linseed oil was easier and off fractionally and could have been further shaded for carlot business due to cheaper flaxseed and poor demand. Tung oil also was slightly lower and oiticica was inactive and unsteady.

Lack of consuming demand for tallow and greases, combined with lower western markets created a weaker tone locally, and affected the higher grades. Business was reported confined to small lots with large buyers still out of the market. Firm bids it was intimiated could have shaded the ceilings of the higher grades as well as the lower.

Windfall provisions under amendment 13, effective May 28 are similar to those in the manufacturers' ceiling price regulation (CPR 22) for passing through increased costs of agricultural commodities which were selling below the legal minimum May 28 were applied by OPS to processors of farm products not covered by that regulation. Flaxseed, peanuts and tung nuts were included in the provisions of this amendment, which revised GCPR so that all farm commodities are exempt when sold by producers. Such sales however, may be and are in some instances covered by a tailored price regulation. Processors first must sell a quantity of their finished product equal to the inventory on hand when the price of the farm product is increased, before they can add this extra cost to the ceiling of their product.

Cottonseed Oil

Trading in bleachable cottonseed oil futures was fairly active, chiefly speculative. Fluctuations were sharp and rallies were not sustained, resulting in liquidation and reaching stop loss orders. Lack of consuming demand for refined oil continued to dominate the market. Cotton crop was improved by rain in many parts of the belt. Trading was mixed and was largely influenced by action in other commodity markets. Lower price for crude oil also was a deterrent.

Crude oil was easy and inactive, declining ¾c. per pound. Tankcars were quoted nominally at 19¾c. per pound, tankcars, in the Valley.

Sales and prices of prime summer yellow cottonseed oil in tankcars (60,000 pounds) on the N. Y. Produce Exchange for the week ended June 1 follow:—

	Sales	Cents per pound High	Low	Close
July	348	23.10	21.70	22.00S
September	730	20.20	19.05	19.34S
October	416	18.48	17.55	17.82S
December	526	18.11	17.25	17.56
January	9	17.63	17.35	17.40@17.60
March	86	17.90	17.03	17.40S
May	10	17.75	17.00	17.10@17.30
1952				
September	1	17.00	17.00	16.40@17.00

Total sales, 2,126 tankcars, including switches.

Memphis.—Crude cottonseed oil was inactive and nominal at 20c. per pound tankcars, f.o.b. mills, prompt shipment and soybean oil 17¼c., same basis. Cottonseed meal, 41 percent quoted at $80 per ton and solvent meal, $79, Memphis soybean oil 41 percent, held at $69 per ton, prompt shipment, sacked this section.

Linseed Oil

There was no let up in the downward trend of this market and prices dropped 6/10c. per pound, following further declines in flaxseed. Raw oil was reduced to 21c. per pound, tankcars, zone 3 for June-August delivery. Buyers showed no interest at the lower level and business was reported practically at a standstill. With drawals of oil against contracts also were moderate and below the volume usually taken at this season.

Most of Argentina's exportable flaxseed and linseed oil is already committed for shipment, and judging from the active demand for remaining quantities, there will be only minimum carryouts at the end of 1951. Prices obtained by the Argentine Trade Promotion Institute (IAPI) in foreign markets have been highly profitable in terms of the prices paid by IAPI to producers and crushers. With all surplus stocks being liquidated this year, a sharp decline in 1952 exports will be inevitable unless the flaxseed area, only 2,700,000 acres last year, is doubled in the coming season. An increase of this magnitude is not considered likely.

Minneapolis.—The price of raw linseed oil was slashed against last week, reflecting the steady decline in cash flaxseed prices. Crushers reduced the price of raw oil to 20.2c. per pound, in tanks, zone 1. There were few inquiries and very little business accomplished prior to the new reduction in price, crushers said. Some fill-in business was noted at a half-cent under quoted prices. Shipping directions remained slow, with many users delaying shipments by 30 days.

Shipments of linseed oil, in pounds, were as follows:—

	1950-51	1949-50
Past week	6,480,000	5,340,000
Since Sept. 1	385,240,000	312,740,000

Flaxseed—This market continued weak and quotations of cash seed declined 15c. per bushel. Trading was quiet.

Minneapolis.—The flaxseed market continued weak and prices dropped sharply in both the cash and futures markets in the holiday-shortened week. Trade was limited in the cash market since both demand and offerings were small. Crushers reduced bids 15c. to 20c. a bushel to a low of $3.95 on spot and to-arrive offerings, which was 15c. lower than bids offered a year ago. Crushers bought only five cars in the spot market and 17 cars on a to-arrive basis, in addition to around 7,500 bushels to-arrive via truck. Actual receipts of seed totaled 115 cars, most of which applied on previous to-arrive contracts or on CCC account. This compared with receipts of 108 cars in the preceding week and 188 cars in the same period a year ago. The week's shipments totaled 47 cars as against 84 cars in the previous week and only six cars a year ago.

Receipts and shipments of flaxseed, in bushels, were as follows:—

Bushels—	Receipts 1950-51	Receipts 1949-50	Shipments 1950-51	Shipments 1949-50
Past week	164,900	380,800	52,700	40,800
Since Sept. 1	24,716,900	14,561,300	4,173,000	2,956,000

Other Vegetable Oils

Babassu—Cheaper coconut oil unsettled this market and prices were lower and nominal at 17¾c. per pound, tankcars, New York basis. Business was slow.

Castor Dehydrated—Lower prices for linseed and other drying oils have caused demand to drop sharply. Prices, however, were unchanged due to limited supplies and high cost of production.

Coconut—Crude oil became firmer with the ECA allocation of coconut and copra for shipment to Germany. This stiffened the market and prices rallied ½c. and were off only ¼c. for the week. Crude oil was quoted at 14c. per pound, tankcars, f.o.b. Pacific coast and 15c., New York.

Copra—Prospects of a good demand for shipment to Germany raised prices to $187.50 per short ton, c.i.f., Pacific coast, against $180 early in the week, reducing the net decline to $2.50 for the week.

Corn—Crude oil was inactive and lower, off 2½c. per pound. Tankcars were sold at 18½c. per pound, f.o.b. mills. Refined oil declined to 22¾c. per pound, tankcars, New York delivery.

Cottonseed Refined—Quiet demand and lower crude weakened refined and quotations broke to 25c. per pound, tankcars, New York delivery.

Oiticica—Buying interest was nil and quotations unsettled and nominal. Liquid was quoted at 31c. to 32c. per pound, tankcars, prompt delivery, New York.

Olive—There was no improvement in the lack of buying interest. Edible oil was more or less nominal at $3 to $3.15 per ton, duty paid on spot, with recent sales of distressed oil reported at 20c. below this level. Olive foots was in limited

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

None

Prices Reduced

Babassu oil, ¾c. per lb.
Coconut oil, ¼c. per lb.
Copra, $2.50 per ton.
Corn oil, 2½c. per lb.
Cottonseed oil, crude, ¾c. per lb.
Flaxseed, 15c. per bushel.
Linseed oil, 6/10c. per lb.
Peanut oil, 1¼c. per lb.
Soybean oil, ¼c. per lb.
Tung oil, ½c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	July 1, 1950	June 2, 1950
205.7	208.3	217.2	117.3	122.7

(For Current Prices see Page 9)

Hardesty & Co. Sales Head

W. W. Fischer has been appointed sales manager of Hardesty & Co., New York. He has been associated with W. C. Hardesty for many years. The company also announced completion of a plant in Philadelphia for production of stearic acid, red oil, glycerin and various fatty acids.

supply and unchanged at 20c. to 21c. per pound, drums on spot as to quantity.

Peanut—Crude oil was off another 1¼c. with competing oils. Crude declined to 18¾c. per pound, tankcars, f.o.b. mills, with light trading thereat. Refined oil was lower and nominal at 22¾c. per pound, tankcars, New York delivery. The government last week released peanuts for the production of about 75 tankcars of oil. The supply of peanuts, farmers' stock equivalent, held in commercial positions on April 30 totaled 648,000,000 pounds, according to the Bureau of Agricultural Economics. This compares with holdings of 434,000,000 pounds on April 30 last year. The inventory of farmers' stock peanuts on April 30 totaled 443,000,000 pounds, compared with 232,000,000 pounds last year. Holdings of edible grade shelled peanuts, reported at 115,000,000 pounds, were only slightly less than the 118,000,000 pounds on hand April 30, 1950.

Soybean—While the market was easier with beans and other oils, price declines were only fractional. Crude oil was sold at 18⅛c. per pound, tankcars, f.o.b. mills, June delivery. July was quoted at 18c.; August, 17½c.; September, 17c., and October 15½c. Refined oil was held at 21¾c., tankcars, New York.

ECA authorized $1,430,000 for the purchase of soybean oil for shipment to Austria. Delivery dates at terminals are August 31 and October 31, 1951.

Sales and prices of prime crude soybean oil (Contract "W") on the N. Y. Produce Exchange in tankcars (60,000 pounds) for the week ended June 1 follow:—

	Sales	Cents per pound—High	Low	Close
July	102	18.01	17.57	18.00S
September	70	17.00	16.40	16.75@17.00
October	62	15.58	15.20	15.42@15.55
December	20	15.05	14.90	15.07@15.20
January	2	14.90	14.65	14.90@15.25
March	12	14.80	14.75	14.83@15.10
May	1	14.75	14.75	14.80@15.10
1952				
July	1	14.70	14.70	14.50N

Total sales, 270 tankcars and switches.

Tung—This market continued unsettled with linseed and drying oils. Prices were more or less nominal and were off ¼c. Light sales were reported at 31½c. per pound, tankcars, New York delivery. Buying interest was limited. Drums ranged from 41½c. to 42c. per pound, depending upon quantity.

Fats and Greases

Greases—Trading was slow and the market easy. Prices were unchanged and merely nominal for all grades. Offerings were liberal, with buying interest practically nil. Yellow grease was quoted nominally at 12½c. per pound, tankcars, f.o.b. works. Choice white grease was sold at 14¼c. per pound, same basis, ⅝c. below the ceiling.

Lard—Domestic demand was reported quiet, while export business was fairly active. Refined lard was quoted at 19½c. per pound, tins, f.a.s.

Tallow—Business was light, chiefly for small lots. Large buyers were reported out of the market. Prices were easy reflecting lower western markets and liberal offerings. Firm bids for sizable quantities it was intimated could have shaded asking prices for all grades.

Animal Oils

Trading in most oils was limited to immediate delivery. Grease oils were quotably unchanged, but prices were more or

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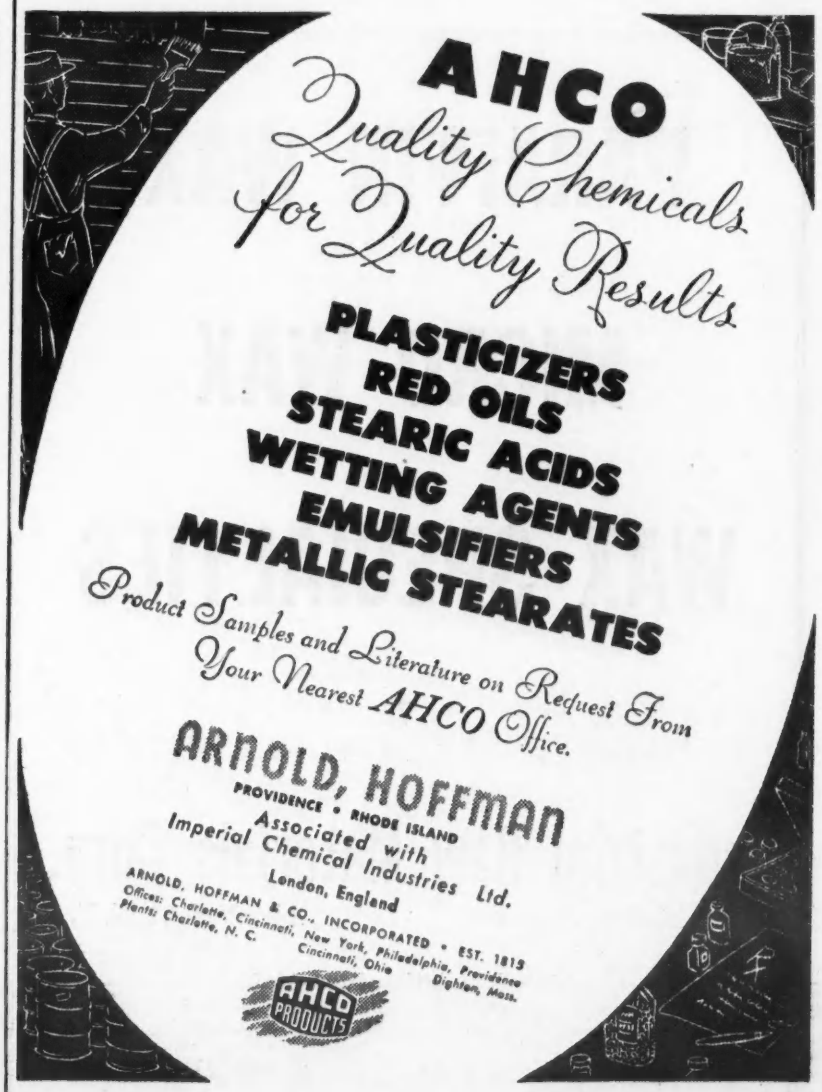

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less nominal for all grades. Neatsfoot oil also was inactive at former prices. Tight supply condition of oleo oil has eased to some extent and prices ranged from 22¼c. to 22½c. per pound, depending upon seller and quantity. Oleo stearine was easy and quoted at 18c. per pound, barrels, carlots, New York.

Fish Oils

Refined Fish—Business was reported quiet. Market was easy reflecting the decline in linseed oil. Light pressed was quoted nominally at 20c. per pound, tankcars, New York basis, with intimations that 1c. less could have been done on a firm bid.

In March, 1951, production of fish oils, exclusive of liver oils in the United States and Alaska amounted to 73,858 gallons compared with 46,272 gallons during the same month in 1950. This is an increase of 27,586 gallons or 60 percent compared with March, 1950. Groundfish oil from New England recorded an increase from 9,353 gallons in March, 1950, to 31,486 gallons in March of this year. Tuna and mackerel oil showed a decrease of 9,954 gallons compared with March of last year.

Los Angeles.—Buying interest has been practically nil for fish oil last week. Buyers have shown no interest whatsoever for new crop sold at 12c. per pound in the face of a nominal two months off. Of interest to the local trade was one tankcar of crude tuna oil reported sold at 12c. per pound in the fact of a nominal 10½c. per pound market.

Fatty Acids

Demand for fatty acids was reported fair, chiefly for actual requirements. There was no snap to the buying and volume was restricted. Prices were generally unchanged, though vegetable oil acids were unsettled by further declines in the oils. Red oil and stearic acid were fairly steady at current quotations.

Cake and Meal

O.P.S. issued supplementary regulation to the general freeze, effective until September 1, permitting sellers of cottonseed meal and products, including slab cake, sized cake pellets and hulls to add increased costs of transportation in acquiring materials.

Cottonseed Cake and Meal—Demand for meal was slow. Offerings also were light. Forty-one percent sacked meal was quoted at $80 per ton, Memphis, $79 Georgia and South Carolina mills, June shipment. There is still a fairly good supply of thirty-six percent meal available at $73 to $74, southeastern mills, immediate shipment. Supply of meal is low but seems to be adequate to cover current demand.

Linseed Meal—This market was steadier, due to further price decline of linseed oil.

Minneapolis.—Although market supplies of linseed and soybean meals were plentiful and distributor stocks were fairly large, there was a better tone to the linseed meal market here last week. Resale pressure was reported not so heavy after good bookings for storage were made by dealers at the preceding week's low levels. Extracted linseed meal was quoted at $50 per ton, bulk, in carlots, f.o.b., Minneapolis, for prompt shipment. Last half June was quoted $1 a ton over; July-August delivery at $52 a ton. Expeller linseed meal was priced at $51 a ton for spot shipment, $52 for June and $53 for July-August. Shipping directions showed little improvement.

Shipments of linseed meal, in pounds, were as follows:—

	1950-51	1949-50
Past week	13,440,000	9,760,000
Since Sept. 1	690,430,000	625,211,000

Peanut Meal—Domestic demand continued very slow but exporters still seem to be interested in a fairly good volume for shipment from southern ports during June and July. Last week the government offered peanuts to produce approximately 3,500 tons of meal. Forty-five percent old process meal sold at $67 per ton, Southeastern mills, June shipment.

Soybean Meal—Forty-four percent bulk meal was quoted from $59.50 to $60, basis Decatur, spot shipment. Most producers are holding their ideas around $61 to $62 for June/July. Forty-one percent old process meal was available in limited quantities at $65 per ton, basis Mississippi Valley, and $74 Georgia points, spot shipment. Demand is fairly good with an ample supply.

Waxes

Trading in vegetable waxes was reported light and spotty. Consumers continued to show little interest in replacements except for small lots for immediate needs. Carnauba wax remained steady, with buying interest restricted to the higher grades. No. 1 yellow was quoted at $1.30 to $1.32 per pound, on spot, and No. 2, $1.28 to $1.30. No. 3, crude, was unchanged and nominal at $1.20 to $1.22 per pound, spot

—*Continued on page 90*

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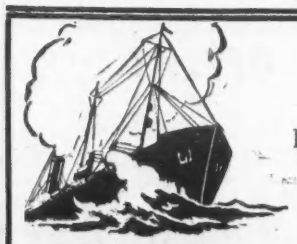
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2—Abbe 2'6"x3' buhrstone-lined, "V" belted to 2HP motor, 44 gal. operating capacity.
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Houchin 5000# Soap Crutcher.
Soap Machinery for Toilet, Laundry, etc.
Conveyors & Elevators, Roller, Belt & Bucket.

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STEIN EQUIP'T CO.
90 WEST STREET, NEW YORK 6, N. Y.

FOR SALE

Ball Mill: Abbe 50 gal. jacketed.
Centrifugal: Rochester 30" copper basket.
Kettles: Stainless Steel—various sizes.
Colloid Mill: Charlotte M-15, stain. steel.
Stainless Steel Tanks: 5 to 500 gallons.
Glass lined tanks, 200 gal. open top.
Tablet Machines: rotary: Stokes B, Colton 9-18, #2, #3, Colton 3B single punch.
Hammer Mills: Prater, Raymond, JayBee.
Mixer: W&P 2-gal. jacketed.
Clarifier: De Laval #600 multiple.
Powder Mixers: 100 to 2,000 lb. capacities.
Autoclave: 10 gal. Buflovak, cast iron.
Centrifugal: Fletcher 17" perf. stain. steel.
Powder Fillers: Stokes & Smith, Stokes, Triangle, Gump, McMinn, Day, Howes.
Screens: Rotex #11, 20, 42, Roball #32.
Colloid Mill: Premier 3" stain. steel, 7½ hp.

LOEB EQUIPMENT SUPPLY CO.
1925 W. North Ave. Chicago 22, Ill.

FOR SALE

Devine Vacuum Shelf Dryer—9-39"x43" shelves—complete.
Steel Vacuum Still—500 gals.—agitated—with 21" fractionating column.
Pfaudler 75 gal. Reactor—reenameled.
Fitzpatrick Comminutor—5 H.P. with Syntron Feeder.
2 Sperry Filterpresses—24"—rubber covered.
2 Haveg Tanks—6'x7'.

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WHitehall 4-2928

"Geared to Serve You"

Sharples #16 S.S. centrifuge-MD.
Shriver 42" Filter Press, wood, OD-55 chambers.
14,000 gal. Wood Tanks with agitators.
Pangborn double unit Dust Collector, complete.
Dixie Mogul Hammer Mill—40 HP motor.
Tyler 3x5' Hummer Screen—double deck.

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CHelsea 3-9010-9011

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1—50 gal. Glass-Lined Kettle, jktd., agit., cover.
3—Stainless Steel Kettles, Jktd. & Agit., 2700 gal.
3—Stainless Steel Kettles, Jktd. & Agit., 950 gal.
2—Kux Rotary Pellet Presses, model 25, 21 & 25 punch.
7—Stokes Rotary Pellet Presses, D-3 & RD-4, 16 punch.
4—Selectro Vibrating Screens, 2' x 7', enclosed, stainless steel, two deck.
2—Fitzpatrick Comminuting machines, Stainless Steel, Models D & K.
2—Mikro Pulverizers: #2-SI & Bantam.
1—Williams Hammer Mill, Size A, Type AK, Stainless Steel.
1—Autoclave, Type 347 Stainless Steel, 100 gal., 250# pr., Elec. heated, 8500F.
2—Stainless Steel Tanks, Type 316, 325 gal., closed.
9—Aluminum Tanks, 745 gal. to 1485 gal.
15—Pfaudler Horiz. Glass-Lined Brewery Tanks, 7500 gal. & 8250 gal.
50—Stainless Clad Jacketed Kettles, 20 gal., 40 gal., 60 gal., 80 gal., 150 gal.
8—C. I. Filter Presses, 12" to 36".
1—Rotary Vacuum Filter, 8' x 8', acid proof.
2—Sweetland Filters, #2 & #5.
1—Deep Well Pump, 150 GPM, 325', 20 HP motor, in original crates.
1—Stokes Vacuum Rotary Dryer, No. 59A with pump and condenser.
1—Rotary Hot Air Dryer 4' x 30'.
1—Hardinge Conical Ball Mill, steel liner, 4'6" dia. x 24" long.
1—Broughton Powder Mixer Double Arm, 2400#.
1—Read 80 gal. Horizontal Ribbon Mixer, jacketed.
1—Heavy Duty Jacketed Dual Worm Mixer, 75 gal.
8—Copper Beer Still and Rectifying Columns, 18" to 48" dia., with condensers.
4—Aluminum Bubble Cap Columns, 27" & 36".

LIQUIDATING EQUIPMENT
Former ALCOHOL PLANT
Capacity 1200 W.G. of 190 Proof Alcohol per Day
Write for List

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For Sale

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3—Stainless Steel 900 gal. Jack. Tanks with Agitators.
1—Pfaudler 500 gal. Glass-Lined Reactor.
9—Aluminum Tanks, 750 to 1,500 gallons.
1—Stokes 43-A Granulator—Motor Drive.
1—Fitz Mill Stainless Steel, Model "D"—M.D.
1—Stainless Steel 18" Bubble Cap Column.
4—Aluminum Bubble Cap Columns, 27" & 36" dia.
1—Mikro No. 2FF Pulverizer, S.S. & Brze. Const., 10 H.P.
1—Shriver 42" C.I. Filter Press, 26 ch.
2—Rotex Sifters, 20" x 48" & 40" x 120" —M.D.
1—Buflovak 6' dia. Vacuum Crystallizer.
1—W. & P. Double Arm 100 gal. Stainless Steel Mixer.
1—Flaker 4' x 9'—Motor Drive.
2—Vertical Steel Mixing Tanks—800 gals.
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- 1—4½"x6" ER-1 Compressor, 15 HP, 3/60/440, 1800 RPM, XP Motor.
- 1—Worthington, double acting, steam-driven Reciprocating Pump 8" x 5" x 12" with stainless steel rod, stainless steel forged valves and seats.
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- 2—10,000 gallon Tanks, 96" O.D. x 27' long, 31/32" plate, elliptical heads, complete with necessary gauges, valves and vents, welded.
- 2—8,200 gallon Tanks, 70" ID x 40' x 2" plate, dished heads complete with gauges, valves and vents, riveted.
- 5—3,500 gallon Tanks, 5' dia. x 23' 3⅞" long, ¾" plate, elliptical heads complete with gauges, valves and vents, riveted.

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Three executives, Sales Manager, Chemical Engineer, and Chemist, currently employed by a national organization desire to invest in a medium-size chemical company. We have the chemical education and practical experience to exploit all phases of sales, market research, chemical research, engineering development, laboratory control of production, and many types of manufacturing. We will participate full time to insure financial success. In reply state type of business and an estimate of the financial potential. OPD 841.

EQUIPMENT OFFERED

For Sale: 3 Sharples #16 Motor Driven, Open type, Stainless Steel, Construction Centrifuges. Contact R. P. Scherer Corp., 9425 Grinnell Ave., Detroit 13, Mich. L. R. Farnum.

For Sale: One Reid 50-gal. and One Reid 90-gal. Double Arm Mixer, Motor Driven. Priced very reasonably. M. A. Hagemann, P. O. Box 781, Stapleton, N. Y.

Stokes High Vacuum Pumps — 212C, water-cooled, 100 cfm; V-drive; used 3 months. Satisfaction guaranteed. Quantity available, some unused. Price very reasonable, inspect. American Sales Co., 67 E. 8th St., New York, N. Y. GRamercy 3-1465.

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Export Only: At attractive prices, Stearic Acid, single, double and triple pressed. Red Oil, Refined, standard material, new drums. OPD 844.

For Sale: 10 drums liquid Varnish, type best polish, for furniture and floorings, and 20,000 10-oz. cans and cartons. Address: Chemicals, 211-7th St., Holly Hill, Fla.

Wax, micro crystalline structure, high melting point, colors light to dark brown, monthly deliveries, used once, excellent for dipping and other purposes, price 3½ cents per pound. Phone Murray Hill 2-6460. OPD 845.

Baryte Ore—Approx. 80% $BaSO_4$. Offer large quantity washed and crushed. Shipping point, Del Rio, Tenn. Write or wire Fred J. Baird, Bryson City, North Carolina.

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To manufacturers and jobbers: Are you overstocked? We require immediately large or small lots many items, chemicals, pharmaceuticals, solvents, aromatics, waxes, other supplies. Submit offerings at once. Correspondence treated confidentially. OPD 843.

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Wanted—Complete plants; also machinery. Large engineering firm wishes to acquire several complete plants through purchase of (1) capital stock; (2) assets; (3) machinery and equipment, whole, or in part. Personnel retained where possible Strictest confidence. Box 694 1474 Broadway New York 18 N Y

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Coating Formulator wanted—Young man with B. S. or equivalent, with two to five years' experience in formulating organic finishes. Work to involve sanitary coatings for food containers. Salary commensurate with ability. Location Ohio. Address OPD 840.

Pattison Joins Glycerine

—*Continued from page 7*

for the Peet Brothers Manufacturing Company and in 1910 became vice-president of that company. In 1926 he was made vice-president of the Palmolive-Peet Company and, in 1928, of the Colgate-Palmolive-Peet Company. Later he was executive vice-president of Colgate-Palmolive-Peet Company.

Mr. Dalton has been research director of the Glycerine Producers Association since 1926. In 1934 he severed his connection with Colgate-Palmolive-Peet Company and has since devoted all his time to the work of the association. During the twenty-five years that Mr. Dalton has directed this research, a unique collection of material and information on glycerine has been developed. Outstanding among the work was the development of a glycerine solution for automobile anti-freeze. This process was the fore-runner of the glycol anti-freeze industry, which today is a business of billions of pounds per year.

Mr. Dalton's national and world-wide interest in glycerine started in the first world war when he served as secretary of the glycerine committee of the War Industry Board under Bernard Baruch. For a time during World War II Mr. Dalton was chief of the glycerine division of the War Production Board in charge of production of glycerine. For the duration of the war he remained as a consultant on glycerine to the other war agencies.

SPE Meets January 16-18

"Plastics Horizons" is the theme for the eighth annual national technical conference of the Society of Plastics Engineers, to be held January 16 through 18, 1952, at the Edgewater Beach hotel, Chicago. The conference will be sponsored by the Chicago section of the SPE. The technical papers presented at the conference will examine the vital role of plastics in the present economy and in the national defense program, and the speakers will be men who understand the problems of the plastics industry.

Calspray Promotes Williams

P. S. Williams has been appointed vice-president of the California Spray-Chemical Corporation, Richmond, Calif. Mr. Williams, manager of the manufacturing department, became associated with Calspray in 1932 and was named plant manager and head of engineering in 1940. Seven years later he was appointed manager of the manufacturing department and a director of the company.

Oils, Fats and Waxes

—*Continued from page 86*

and refined at $1.25 to $1.27. Supplies of candelilla on spot were reported light and closely held. Crude was quoted at 75c. to 77c. per pound, and refined, 78c. to 80c., as to quantity and seller. Refined ouricury wax was quiet and nominal at 85c. to 90c. per pound, as to seller. Crude beeswax was unchanged, with business light. African crude was moved at 68c. to 70c. per pound, prompt delivery.

PRICES HIGH! SELL NOW!

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Paint Mixers: O&T, Kestner & Hecht, Day.
Paint Mills: Day, Lehman, etc., solid rolls.
Pwdr. Mixers: ribbon, tumbler, 50 to 3000#
Mixers: sgl. or dbl. arm, pl., jktd.
Fillers: powder, liquid, paste.
Kettles: stainless, steel—jktd., plain.
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Baker Perkins Mixers, Style VIH, jktd., tilting, 100 gal. working capacity.
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All items are in excellent operating condition.

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One (1) Burt Automatic Labeller, Type AUPA-611-B for ¼ pt. to 1 gallon round cans with or without ears and with spot labeller attachment.

One (1) Sharples electric driven centrifuge, Type M4 PIE, with 2 HP motor, feed pump, one bowl, all self contained on stand with casters.

One (1) J. H. Day Little Giant 24 gallon double arm, reversible, tilting, dough mixer with 5 HP motor and controls.

One (1) Lehman 2 AM, 12" x 30", 3 roll belt driven roller mill.

Six (6) Copper varnish kettles and trucks, each 38" diam. x 36".

One (1) Copper varnish kettle and truck, 48" diam. x 42".

One (1) Paul O. Abbe Laboratory combination jar mill, to take 3 Assay jars and 3 size "O" jars, with jars.

One (1) Gang of 4 Kent #28A, 80 gal., 30" x 32", Liquid and semi-paste mixers, belt driven.

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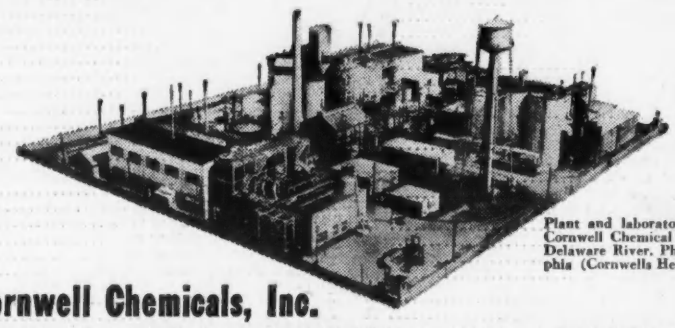

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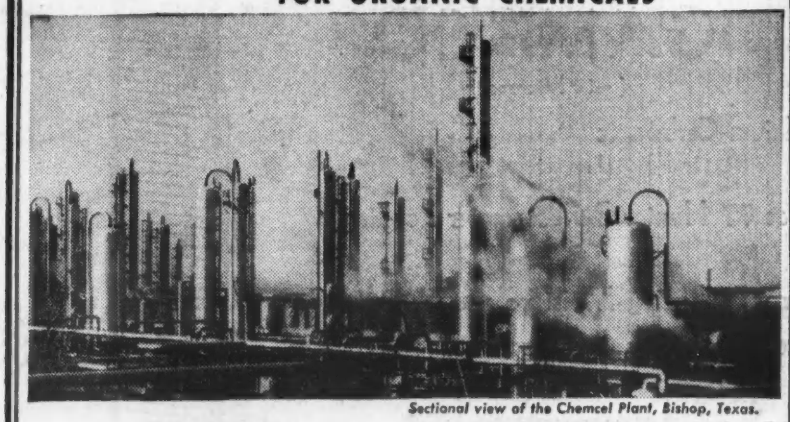

Sectional view of the Chemcel Plant, Bishop, Texas.

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